# Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021 

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#### Abstract

Summary Background Estimates of demographic metrics are crucial to assess levels and trends of population health outcomes. The profound impact of the COVID-19 pandemic on populations worldwide has underscored the need for timely estimates to understand this unprecedented event within the context of long-term population health trends. The Global Burden of Diseases, Injuries, and Risk Factors Study (GBD) 2021 provides new demographic estimates for 204 countries and territories and 811 additional subnational locations from 1950 to 2021, with a particular emphasis on changes in mortality and life expectancy that occurred during the 2020-21 COVID-19 pandemic period.


Methods 22223 data sources from vital registration, sample registration, surveys, censuses, and other sources were used to estimate mortality, with a subset of these sources used exclusively to estimate excess mortality due to the COVID-19 pandemic. 2026 data sources were used for population estimation. Additional sources were used to estimate migration; the effects of the HIV epidemic; and demographic discontinuities due to conflicts, famines, natural disasters, and pandemics, which are used as inputs for estimating mortality and population. Spatiotemporal Gaussian process regression (ST-GPR) was used to generate under-5 mortality rates, which synthesised 30763 locationyears of vital registration and sample registration data, 1365 surveys and censuses, and 80 other sources. ST-GPR was also used to estimate adult mortality (between ages 15 and 59 years) based on information from 31642 location-years of vital registration and sample registration data, 355 surveys and censuses, and 24 other sources. Estimates of child and adult mortality rates were then used to generate life tables with a relational model life table system. For countries with large HIV epidemics, life tables were adjusted using independent estimates of HIV-specific mortality generated via an epidemiological analysis of HIV prevalence surveys, antenatal clinic serosurveillance, and other data sources. Excess mortality due to the COVID-19 pandemic in 2020 and 2021 was determined by subtracting observed all-cause mortality (adjusted for late registration and mortality anomalies) from the mortality expected in the absence of the pandemic. Expected mortality was calculated based on historical trends using an ensemble of models. In locationyears where all-cause mortality data were unavailable, we estimated excess mortality rates using a regression model with covariates pertaining to the pandemic. Population size was computed using a Bayesian hierarchical cohort component model. Life expectancy was calculated using age-specific mortality rates and standard demographic methods. Uncertainty intervals (UIs) were calculated for every metric using the 25 th and 975 th ordered values from a 1000-draw posterior distribution.

Findings Global all-cause mortality followed two distinct patterns over the study period: age-standardised mortality rates declined between 1950 and 2019 (a $62 \cdot 8 \%$ [ $95 \%$ UI $60 \cdot 5-65 \cdot 1$ ] decline), and increased during the COVID-19 pandemic period (2020-21; $5 \cdot 1 \%$ [ $0 \cdot 9-9 \cdot 6]$ increase). In contrast with the overall reverse in mortality trends during the pandemic period, child mortality continued to decline, with 4.66 million $(3 \cdot 98-5 \cdot 50)$ global deaths in children younger than 5 years in 2021 compared with $5 \cdot 21$ million (4.50-6.01) in 2019. An estimated 131 million (126-137) people died globally from all causes in 2020 and 2021 combined, of which $15 \cdot 9$ million (14.7-17.2) were due to the COVID-19 pandemic (measured by excess mortality, which includes deaths directly due to SARS-CoV-2 infection and those indirectly due to other social, economic, or behavioural changes associated with the pandemic). Excess mortality rates exceeded 150 deaths per 100000 population during at least one year of the pandemic in 80 countries and territories, whereas 20 nations had a negative excess mortality rate in 2020 or 2021, indicating that all-cause mortality in these countries was lower during the pandemic than expected based on historical trends. Between 1950 and 2021 , global life expectancy at birth increased by 22.7 years $(20.8-24 \cdot 8)$, from 49.0 years ( $46 \cdot 7-51 \cdot 3$ ) to 71.7 years (70.9-72.5). Global life expectancy at birth declined by 1.6 years (1.0-2.2) between 2019 and 2021, reversing historical trends. An increase in life expectancy was only observed in $32(15 \cdot 7 \%)$ of 204 countries and territories between 2019 and 2021. The global population reached 7.89 billion (7-67-8.13) people in 2021, by which time 56 of 204 countries and territories had peaked and subsequently populations have declined. The largest proportion of

Lancet 2024; 403: 1989-2056

## Published Online

March 11, 2024
https://doi.org/10.1016/
S0140-6736(24)00476-8
See Comment page 1952
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population growth between 2020 and 2021 was in sub-Saharan Africa (39.5\% [28.4-52.7]) and south Asia ( $26 \cdot 3 \%[9 \cdot 0-44 \cdot 7]$ ). From 2000 to 2021, the ratio of the population aged 65 years and older to the population aged younger than 15 years increased in 188 ( $92 \cdot 2 \%$ ) of 204 nations.

Interpretation Global adult mortality rates markedly increased during the COVID-19 pandemic in 2020 and 2021, reversing past decreasing trends, while child mortality rates continued to decline, albeit more slowly than in earlier years. Although COVID-19 had a substantial impact on many demographic indicators during the first 2 years of the pandemic, overall global health progress over the 72 years evaluated has been profound, with considerable improvements in mortality and life expectancy. Additionally, we observed a deceleration of global population growth since 2017, despite steady or increasing growth in lower-income countries, combined with a continued global shift of population age structures towards older ages. These demographic changes will likely present future challenges to health systems, economies, and societies. The comprehensive demographic estimates reported here will enable researchers, policy makers, health practitioners, and other key stakeholders to better understand and address the profound changes that have occurred in the global health landscape following the first 2 years of the COVID-19 pandemic, and longer-term trends beyond the pandemic.

## Funding Bill \& Melinda Gates Foundation.

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## Introduction

Understanding mortality and population trends over time and across locations, age groups, and sexes is crucial for planning population-specific public health policies. Age-specific mortality rates can indicate the emergence of new adverse health risks in specific locations, while population counts can inform resource allocation and aid in planning future development. The COVID-19 pandemic has highlighted the importance of demography in understanding disease and injury burden ${ }^{1}$ and the roles health policy and infrastructure have in health and demographic outcomes. ${ }^{12}$ As the COVID-19 pandemic enters an endemic phase in some locations, demographic indicators can provide important context for understanding and addressing COVID-19, long COVID-19, ${ }^{3}$ and the interaction between COVID-19 and other diseases and injuries. Furthermore, demographic trends in the decades before the COVID-19 pandemic and reversals in those trends during the first 2 years of the COVID-19 pandemic (2020-21) can provide insights into potential long-term effects of the pandemic. These shifts in demographic patterns, including in population growth and age distribution, can help policy makers and public health experts better understand how the pandemic has impacted different groups within society and inform strategies for future pandemic preparedness and health-care planning.
The Global Burden of Diseases, Injuries, and Risk Factors Study (GBD) is an evolving research effort that quantifies the state of global health. ${ }^{4}$ The scope of the study has historically included estimating key demographic metrics and comprehensive health metrics for a set of national and subnational locations that has expanded over time. Mortality has been estimated as part of GBD since the first GBD estimates were published in the 1993 World Bank World Development Report, and
mortality estimates have been included in each update since GBD 2010. ${ }^{5-10}$ A comprehensive, internally consistent modelling strategy for estimating population and fertility was introduced in GBD 2017, greatly improving the consistency of results. ${ }^{11}$ Previously, GBD drew on population estimates from the UN Population Division of the Department of Economic and Social Affairs (UNPD). ${ }^{12,13}$ In GBD 2019, the demographic analysis used population, fertility, and mortality estimates to produce a typology that better helped to specify phases of demographic transition. ${ }^{10}$ The GBD demography framework is part of the greater GBD enterprise; thus, it differs from other demographic research initiatives by using estimates of disease and injury burden to inform population and mortality estimates, and vice versa. Attempting to estimate the effects of the pandemic is now a major focus of GBD and other demographic research efforts. ${ }^{12,1 / 1 / 16}$
The GBD 2021 demographic analysis improved on GBD 2019 by using additional data sources and refined methods to generate updated estimates of mortality, life expectancy, and population size at the global, regional, national, and subnational levels for each year from 1950 to 2021. GBD 2021 is the first round to incorporate the COVID-19 pandemic into the modelling process through the estimation of excess mortality due to the pandemic, defined as the net difference between the number of deaths that occurred between 2020 and 2021 and the number of deaths that would be expected over the same period based on previous trends in all-cause mortality. ${ }^{16}$ The unified approach to estimate all-cause mortality and excess mortality in GBD 2021 is an innovation in current demographic research methods. This facilitates analysis of the interplay between wider demographic processes and the COVID-19 pandemic. In this iteration of the GBD demographic analysis, we aim to

## Research in context

## Evidence before this study

The UN Population Division of the Department of Economic and Social Affairs (UNPD) produces estimates and projections of global, regional, and national demographic metrics that are updated biannually. Their latest findings, published in the World Population Prospects 2022 revision, incorporated WHO estimates of excess mortality due to the COVID-19 pandemic in 2020 and 2021. Estimates of excess mortality during the pandemic have also been generated by the Institute for Health Metrics and Evaluation and the World Mortality Dataset. The International Database of the US Census Bureau reports population estimates and projections for more than 200 countries and areas, of which a subset are updated every year. Organisations including WHO, the Organisation for Economic Co-operation and Development, and the European Union release demographic estimates less regularly and typically only for select metrics or locations. Some national statistics offices also produce their own demographic indicators. The Global Burden of Diseases, Injuries, and Risk Factors Study (GBD) generates regularly updated and globally comparable health metrics, including mortality, life expectancy, and population estimates for past years, and forecasts up to the year 2100. The current GBD 2021 cycle is directly preceded by GBD 2019, which reported demographic estimates for 204 countries and territories for each year from 1950 through 2019. While each of these studies represent important efforts to provide insights into demographic estimates and the COVID-19 pandemic, only GBD estimates comply with the Guidelines for Accurate and Transparent Health Estimates Reporting, which identifies best practices for reporting global health estimates.

## Added value of this study

GBD 2021 is one of the first studies to fully evaluate demographic trends in the context of the first 2 years of the COVID-19 pandemic. The study employed a unified framework to calculate excess mortality rates due to the COVID-19 pandemic along with a comprehensive set of demographic metrics including all-cause mortality, life expectancy, and
population counts for 204 countries and territories and 811 subnational locations. This allowed estimates of all-cause mortality to inform estimates of excess mortality due to the pandemic, and vice versa. In contrast, the demographic estimates published by UNPD for 2020 and 2021, although based on data available during the pandemic, did not use a unified framework for all-cause and excess mortality. Additionally, while the US Census Bureau published population estimates for 2020 and 2021, the estimates were adjusted to reflect the effects of the pandemic for only a subset of locations. GBD 2021 utilised a suite of customised and validated data processing and modelling tools, systematically analysing thousands of data sources to produce global, regional, national, and subnational demographic estimates by age, sex, and Sociodemographic Index (SDI) level for each year from 1950 to 2021. Compared with GBD 2019, GBD 2021 utilised 5296 additional data sources. Additionally, the model life table system used in GBD 2021 was improved to provide more accurate mortality estimates for older age groups. All estimates are packaged within freely accessible data-sharing and visualisation tools.

Implications of all the available evidence
Our study highlights the impact of the first 2 years of the COVID-19 pandemic at a novel level of granularity, demonstrating unprecedented reversals in adult mortality and life expectancy trends at the global, regional, and national levels. Furthermore, globally comparable measures of excess mortality due to the pandemic show substantial variation in the burden experienced by different countries and territories. Our comprehensive set of demographic estimates provides a rich description of evolving long-term trends in mortality and life expectancy across age groups, sexes, and SDI levels, and our population analyses reveal changing dynamics and age structures with implications for the future of health-care systems, economies, and societies. Collectively, the estimates reported here provide an integrated demographic framework for GBD and a valuable foundation for policy evaluation, development, and implementation around the world.
provide policy makers and the public with the information needed to gain a better understanding of the demographic context of disease and injury burden since 1950 and during the COVID-19 pandemic in 2020-21 specifically.

## Methods

## Overview

For each new GBD iteration, recently available data and improved methods are used to update the full time series of demographic estimates from 1950 to the latest year of analysis; GBD 2021 demographic estimates therefore supersede all previous estimates.
The GBD 2021 demographic methods closely followed those used in GBD 2019. ${ }^{10}$ Improvements for GBD 2021
centred on a single framework to estimate both all-cause mortality and excess mortality due to the COVID-19 pandemic. The analytical process for computing internally consistent demographic estimates included six main components: (1) estimating age-specific fertility rates; (2) estimating under-5 and adult (age 15-59 years) mortality rates; (3) estimating age-specific mortality rates using a relational model life table system with HIV adjustments; (4) estimating excess mortality due to the COVID-19 pandemic and adjusting all-cause mortality estimates accordingly; (5) accounting for fatal discontinuities such as wars, famines, and natural disasters; and (6) estimating population sizes. To resolve discrepancies due to the inherent interdependent nature of population, mortality,
and fertility estimates, the estimation process was run twice: first to generate preliminary numbers, and second to refine all estimates and ensure internal consistency. A detailed description of all methods and analytical flowcharts for all-cause mortality, fertility, and population estimation are available in appendix 1 (sections 2-6, 8).
This study complies with the Guidelines for Accurate and Transparent Health Estimates Reporting (GATHER); ${ }^{17}$ a completed GATHER checklist is provided in appendix 1 (section 8). Python (version 3.8.17 and 3.10.4), Stata (version 15.1), and R (version 3.5 and 4.2 ) were used for statistical analysis This manuscript was produced with the GBD Collaborator Network and in accordance with the GBD Protocol. ${ }^{18}$ An international network of collaborators provides, reviews, and analyses the available data to generate health metrics; the 2021 GBD round drew on the expertise of more than 11000 collaborators across more than 160 countries and territories.

## Data sources and processing

The GBD 2021 analysis used a range of data types for mortality and population estimation that were identified from a systematic search of available data from government websites, statistical annuals, demographic compendia, large-scale surveys, and collaborator input; comprehensive details on the sources of input data are available online via the GBD 2021 Sources Tool. Under-5 mortality rates (U5MRs), defined as the probability of death from birth to age 5 years, were estimated using 30526 location-years of vital registration data ( 3179 new location-years for GBD 2021 compared with GBD 2019), ${ }^{10}$ 237 location-years of sample vital registration data, and 1445 other sources (including 57 new surveys, one new census, and ten other new sources; appendix 1 section 8 ). Adult mortality, defined as the probability of death before age 60 years assuming survival to age 15 years, was estimated using 30207 location-years of vital registration data ( 3150 new location-years for GBD 2021 compared with GBD 2019), 1435 location-years of sample vital registration data, 75 censuses, 280 surveys (including 65 sources of household death data and 167 sources of sibling history data), and 24 other sources (appendix 1 section 8). Age-specific mortality was estimated using 43758 empirical life tables for 1950-2021 (compared with 35406 in GBD 2019; appendix 1 section 8). Prevalence surveys, antenatal clinic serosurveillance, and vital registration were used to adjust for the impact of the HIV epidemic due to its exceptional impact on agespecific mortality. Fatal discontinuities were accounted for using 2235 location-years from vital registration and 237 other sources (compared with 1812 from vital registration and 174 other sources in GBD 2019). Estimation of excess mortality due to the COVID-19 pandemic utilised an additional 146139 datapoints of allcause mortality data at either weekly or monthly intervals from vital registration and surveillance reports that were assessed for completeness of registration (compared with
our previous excess mortality estimation, ${ }^{16}$ GBD 2021 used 1389 additional weeks or months of data).
Population estimates utilised national and subnational censuses (1277 overall; 25 new), population registries (749 location-years of data), and post-enumeration surveys (161 in total). Additionally, migration data on refugee movements from the UN High Commissioner for Refugees and datasets for select countries (primarily Gulf States and nations in the EU) were used to inform migration estimates.

## All-cause mortality estimation

GBD 2021 all-cause mortality estimation followed the analytical framework for mortality analysis used in GBD 2019. ${ }^{10}$ Point estimates from surveys were generated using both direct and indirect estimation methods for U5MR, while for adult mortality, they were generated from sibling history data with methods that correct for inherent biases such as zero-survivor and recall bias. Time series estimates of the completeness of adult vital registration data were generated using the same modelling process as GBD 2019, which used a combination of five death distribution methods, and point estimates were adjusted accordingly.
Time series of under-5 and adult mortality without fatal discontinuities were estimated using spatiotemporal Gaussian process regression (ST-GPR), including a biasadjustment process for U5MR, to correct for systematic differences in the data sources and smooth results across time and location. Education, HIV, and lag-distributed income were included as covariates, along with U5MR for adult mortality. These estimates were used as inputs for the GBD relational model life table system with adjustments for older-age mortality to estimate HIV-free age-specific mortality rates. HIV mortality was modelled with a combination of ST-GPR, the Estimation and Projection Package Age-Sex Model, ${ }^{19}$ and Spectrum, ${ }^{20}$ and subsequently used to produce life tables that included HIV mortality. These abridged life tables were used to generate full life tables by single year age groups with further detailed age groups under the age of 1 year. Sexredistributed and age-redistributed fatal discontinuities by cause were aggregated by age and sex and added to the estimated mortality from the previous step to generate the final all-cause mortality life tables by location, year, sex, and age. We recalculated abridged life tables, including fatal discontinuities for each location, year, and sex combination, and then calculated the final envelope from these abridged life tables. Detailed methods for estimating each mortality component are available in appendix 1 (section 2 ).

## Excess mortality due to the COVID-19 pandemic estimation

Excess mortality due to the COVID-19 pandemic in 2020 and 2021 is defined as the observed all-cause mortality minus the mortality that would be expected had
the pandemic not occurred, based on historical trends. Excess deaths are those attributed to the COVID-19 pandemic as a whole, both from SARS-CoV-2 infection and from other pandemic-related factors such as deferred care seeking. ${ }^{21,22}$ Excess mortality was calculated using similar methods as in Wang et al (2022), ${ }^{16}$ with several key improvements. We included yearly observed deaths from vital registration to supplement daily, weekly, and monthly observed death data. We then used five variants of the spline for weekly seasonal patterns that set the second-to-last knot at $18,24,36,48$, or 60 months to allow for more stable trends. To select covariates, we used Rover, a method developed at the Institute for Health Metrics and Evaluation based on Bayesian model averaging. Rover is conceptually similar to the Bayesian model averaging method, which is widely used to explore the parameter space and aggregate estimates across candidate models based on performance metrics. ${ }^{23}$ The main difference is that while Bayesian model averaging uses marginal likelihood, Rover focuses on out-of-sample performance. We included covariates pertaining to the COVID-19 pandemic, such as seroprevalence, and background population health metrics, such as the Healthcare Access and Quality Index. ${ }^{24}$ With the best model selected, we ran a prediction process using 100 draws for each covariate and 100 draws of estimated coefficients and residuals, estimated from the regressions run at the draw level using draw-level input data on both excess mortality and covariates. Mean values and $95 \%$ uncertainty intervals (UIs) were then generated at national, regional, and global levels. Out-of-sample predictive validity testing was conducted based on our final model specification. Complete excess mortality methodology is detailed in appendix 1 (section 2.8).
To determine age-specific and sex-specific excess mortality, we estimated all-cause mortality twice: once with data from during the pandemic in 2020 and 2021 included and once without. For location-years with vital registration data from during the pandemic, we computed the difference in estimated age-sex-specific mortality between the two sets of estimates. We then applied this distribution to our excess mortality estimates to calculate age-specific and sex-specific excess mortality. Due to instability in age-sex distributions and implausible patterns, we used the global age-sex distribution for locations with fewer than 75000 excess deaths, unless otherwise noted (appendix 1 section 2.8). Other pandemic-related mortality (OPRM) was estimated by calculating the difference between excess mortality and the sum of deaths due directly to COVID-19 infection and indirect deaths due to lower respiratory infections, measles, and pertussis. For locations with a negative OPRM, we adjusted the non-pandemic mortality estimates downward accordingly. We redistributed small discrepancies that remained between the mortality estimates that used vital registration age-sex-specific data from during the pandemic and the non-pandemic
mortality estimates plus age-sex-specific excess mortality to ensure that the final mortality estimates including mortality shocks were consistent with observed highquality vital registration data.

## Population estimation

We used the Bayesian hierarchical cohort component model for population projection (BCCMP) from GBD 2019 to produce age-specific population estimates. ${ }^{10}$ This method used age-specific fertility estimates from GBD 2021 (appendix 1 section 3 ), the previously described age-specific mortality estimates, and available census and registry data as inputs. Auxiliary refugee and migration data were used to inform the prior distribution on net migration in countries with substantial migration or reliable data. The model estimates an age-specific 1950 baseline population, age-specific net migration, and age-specific population estimates that are fully consistent with the input fertility and mortality estimates. Complete population estimation methodology is in appendix 1 (section 4).

## Expected mortality based on Socio-demographic Index (SDI) estimation

We analysed the relationship between age-specific log mortality rates and SDI using MR-BRT (meta-regressionBayesian regularised trimmed), ${ }^{25}$ a meta-regression programme (appendix 1 section 6.1). SDI is a composite indicator of a country's lag-distributed income per capita,


Figure 1: Completeness of VR systems in GBD super-regions, 1975-2021
Completeness is defined as the total number of deaths registered in all VR systems within a super-region during a 5 -year period divided by the total number of estimated deaths within that super-region and period, with $100 \%$ completeness indicating that all deaths were registered. The size of the datapoints represents the number of estimated deaths. The solid black line shows the global completeness, the dashed black line indicates global completeness, excluding China and India, and other coloured lines indicate GBD super-regions. The green box indicates complete registration (defined as $>95 \%$ ). GBD=Global Burden of Diseases, Injuries, and Risk Factors Study. VR=vital registration.

See Online for appendix 2
To view and download estimates from the GBD Results tool see https://vizhub. healthdata.org/gbd-results For the Mortality Visualisation Tool see https://vizhub. healthdata.org/mortality/
average years of schooling, and the total fertility rate in females younger than age 25 years (appendix 1 section 5 ). MR-BRT defines a linear mixed-effects model with a $B$-spline specification for the relationship between outcomes of interest and SDI. We used a cubic spline with five knots between 0 and 1 , with left-most and rightmost spline segments enforced to be linear, and with slopes matching adjacent interior segments. To ensure that the results were not sensitive to the choice of spline knots, we used a model ensemble of over 50 cubic spline models, as described above. For each model, interior knot placement was randomly generated to be between 0.1 and 0.9 , with minimum inter-knot distance of 0.1 and maximum inter-knot distance of $1 \cdot 0$. The final predictions were obtained using the ensemble aggregate over these 50 models. This model was performed separately for each GBD age-sex group. Expected mortality rates for each age-sex group based on SDI were used to estimate expected life expectancy. A similar analysis was done for excess mortality rates due to the COVID-19 pandemic, with the exception that two-degree splines were used.

## Geographical units, age groups, and time periods

We produced estimates for each demographic metric by age-sex-location-year for 25 age groups: early neonatal ( $0-6$ days), late neonatal ( $7-27$ days), $1-5$ months, $6-11$ months, $12-23$ months, $2-4$ years, $5-9$ years, every 5 -year age group up to 95 years, and 95 years and older (fertility estimated for 5 -year age groups between ages 10 years and 54 years); for males, females, and all sexes combined; for 204 countries and territories grouped into 21 regions and seven super-regions; and for every year from 1950 to 2021. We also included subnational analyses for 21 countries and territories (Brazil, China, Ethiopia, India, Indonesia, Iran, Italy, Japan, Kenya, Mexico, New Zealand, Nigeria, Norway, Pakistan, the Philippines, Poland, Russia, South Africa, Sweden, the UK, and the USA) and estimates by SDI quintile. All countries and territories were assigned an SDI value ranging from 0 (lowest income and educational attainment and highest fertility) to 100 and then grouped into quintiles from low SDI to high SDI.

## Uncertainty analysis

Uncertainty was propagated throughout the estimation process. For under-5 and adult mortality, ST-GPR generated 1000 draws for every location, year, and sex combination; 1000 draws were also produced for the crude death rate associated with HIV estimates. The 100 draws of excess mortality due to the COVID-19 pandemic were repeated ten times to generate 1000 draws. These draw-level inputs were then used to create 1000 draws of all-cause mortality estimates and draw-level estimates of fatal discontinuities. Mean estimates and $95 \%$ UIs (the 25th and 975th ranked values from the 1000 draws) were generated for all demographic
metrics using the draw-level estimates. The uncertainty associated with fertility and mortality estimates was included as inputs in the BCCMP model to produce 1000 draws of population estimates.

## Role of the funding source

The funders of this study had no role in study design, data collection, data analysis, data interpretation, or the writing of the report

## Results

This section presents global, regional, and national-level results for key demographic metrics; given space constraints, estimates at the subnational level are presented in appendix 2 and are also available in downloadable form through the GBD Results tool. All subnational locations are listed in appendix 1 (section 8 ).

## Civil registration and vital statistics completeness

The proportion of deaths registered in vital registration systems increased substantially at the global level during the study period, from $30 \cdot 3 \%$ in 1975 to a peak of $61 \cdot 1 \%$ in 2016, before declining in subsequent years due to lags in reporting (figure 1). Completeness of death registration in vital registration systems varied markedly between regions, however, most progress in completeness was observed in China (where completeness peaked at $71.2 \%$ in 2018) and India (where completeness peaked at $80 \cdot 1 \%$ in 2019; appendix 2 table S1). The Indian Sample Registration System is considered complete for the sample population it covers. Outside of China and India, progress in death registration has been slow, with only a $10 \cdot 3$ percentage point increase observed in the rest of the world between 1975 and the peak in 2016. This increase was concentrated in north Africa and the Middle East, which improved from $20 \cdot 6 \%$ completeness in 1975 to a peak of $56.0 \%$ in 2016. While registration has been complete (defined as $>95 \%$ ) since 1975 for nearly all countries in the high-income super-region and central Europe, eastern Europe, and central Asia, in sub-Saharan Africa peak completeness of only $8 \cdot 7 \%$ was reached in 2008 and completeness has declined since then. Death registration in Latin America and the Caribbean was more variable: countries such as Costa Rica, Cuba, and Argentina have been complete for many years; registration in countries such as Peru and Ecuador has remained around $60-90 \%$ complete, and

Figure 2: Global and GBD super-region all-cause mortality rates across the lifespan in females (A) and males (B), 1950-2021 Mortality rates are expressed as the number of deaths per 1000 population. Fatal discontinuities are indicated by the following letters: A=HIV epidemic; $\mathrm{B}=$ conflicts in the Middle East; $\mathrm{C}=$ war and genocide in India, Pakistan, and Bangladesh in 1971; $\mathrm{D}=$ war and genocide in Cambodia in the 1970s; $\mathrm{E}=$ Rwandan genocide in 1994; $F=$ earthquake in Haiti in 2010; $G=$ famine between 1959 and 1961. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study.

others, such as Bolivia, continue to lack registration data. At the national level, 96 countries and territories had at least 1 year of complete death registration between 2010 and 2021; 29 countries and territories without complete death registration had at least 1 year of registering more than $75 \%$ of deaths; and 47 countries and territories had no vital registration data in the GBD 2021 mortality database. Registration was incomplete or nonexistent in many countries with large numbers of deaths in 2021, especially in sub-Saharan Africa, including Nigeria and Democratic Republic of Congo. In the 2020-21 period, super-regions had varying degrees of lowered completeness indicative of lags in reporting (figure 1).

## Mortality and life expectancy

Between 1950 and 2019, global age-standardised all-cause mortality rates per 100000 population broadly declined, from $1980 \cdot 5$ age-standardised deaths ( $95 \%$ UI $1855 \cdot 5-2115 \cdot 0)$ in 1950 to $736 \cdot 1(700 \cdot 1-772 \cdot 8)$ in 2019 (appendix 2 table S3A), which equates to a $62 \cdot 8 \%(60 \cdot 5-65 \cdot 1)$ decline in mortality during the entire period. Global all-cause mortality rates across the human lifespan for the younger than 15 years and older than 40 years age groups broadly improved for both females and males between 1950 and 2019 (figure 2). This pattern was relatively consistent across super-regions, with the exception of increased mortality in sub-Saharan Africa during the HIV epidemic and a fluctuating pattern in the central Europe, eastern Europe, and central Asia superregion. However, substantial variation in mortality levels and trends across super-regions and over time were observed in the $15-39$-years age group. This age group
was particularly susceptible to mortality shocks such as famine in China between 1959 and 1961; conflicts in the Middle East during multiple time periods; war in India, Pakistan, and Bangladesh and genocide in Bangladesh in 1971; war and genocide in Cambodia in the 1970s; the Rwandan genocide in 1994; and the earthquake in Haiti in 2010 (figure 2). Conflict and war had a larger impact on mortality rates in males than females. Furthermore, the HIV epidemic had an especially large impact on this age group in sub-Saharan Africa and a lesser impact in southeast Asia, east Asia, and Oceania, with a larger impact on females than males. Additionally, male mortality rates increased in Latin America and the Caribbean during the 2000s, to varying extents in countries such as El Salvador, Peru, Guatemala, Honduras, Mexico, Venezuela, and Brazil (appendix 2 figure S 5 ). An increase in male and female mortality was observed in the high-income super-region during the late 2010s, which was most notable in the USA, Canada, and Spain (appendix 2 figure S5).
During the COVID-19 pandemic in 2020 and 2021, global age-standardised all-cause mortality rates increased by $21 \cdot 9 \%(95 \%$ UI $13 \cdot 6-31 \cdot 1)$ for males aged 15 years and older compared with 2019 and $16 \cdot 6 \%(10 \cdot 0-23 \cdot 4)$ for females in the same age group and time period, reversing trends in mortality observed before the pandemic (appendix 2 table S3). In contrast, during 2020 and 2021, global mortality rates for both males and females generally remained constant or further decreased for age groups younger than 15 years (figure 2). In particular, between 2019 and 2021, global U5MR decreased by 7-0\% (2•3-11•1). This continued reduction in child mortality was consistent across all super-regions (figure 2).


Figure 3: Distribution of the mortality sex ratio by age in 1970, 2000, 2019, and 2021
The distributions are for the mortality sex ratio calculated across all 204 countries and territories included in this study. The boxes represent the middle $50 \%$ of the distribution (25th and 75th percentiles), the horizontal line in boxes indicates the mean, and the whiskers show the middle 95\% of the distribution ( 2.5 th and 97.5 th percentiles). *The ratio of male to female mortality rates, computed by dividing the male mortality rate by the female mortality rate for each age group and year.

|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) | Excess deaths due to COVID-19 in 2020 (thousands) | Excess deaths due to COVID-19 in 2021 (thousands) | Excess mortality rate due to COVID-19, 2020-21 (deaths per 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate <br> in 2021 <br> (deaths <br> per 1000) | Annualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| Global | $\begin{aligned} & 35 \cdot 7 \\ & (30.5 \text { to } 42.0 \text { ) } \end{aligned}$ | $\begin{aligned} & -3.3 \% \\ & (-4.0 \text { to }-2.5) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.11 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.18 \text { to } 0.20) \end{aligned}$ | $\begin{aligned} & 74 \cdot 8 \\ & (74 \cdot 0 \text { to } 75 \cdot 5) \end{aligned}$ | $\begin{aligned} & 69.0 \\ & (68.0 \text { to } 69.9) \end{aligned}$ | $\begin{aligned} & 71 \cdot 7 \\ & \text { (70.9 to } 72 \cdot 5 \text { ) } \end{aligned}$ | $\begin{aligned} & 67900.0 \\ & (65000.0 \text { to } \\ & 70800.0) \end{aligned}$ | 4660.0 (3980.0 to 5500.0) | 5890 (5480 to 6440) | 9970 (9260 to 10900) | $\begin{aligned} & 1.04 \\ & \text { (0.96 to 1.13) } \end{aligned}$ |
| Central Europe, eastern Europe, and Central Asia | $\begin{aligned} & 12.0 \\ & (10.5 \text { to } 13.7) \end{aligned}$ | $\begin{aligned} & -3.8 \% \\ & (-4 \cdot 4 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.11 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.24 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 75 \cdot 5 \\ & \text { ( } 75.0 \text { to } 75 \cdot 9 \text { ) } \end{aligned}$ | $\begin{aligned} & 67.4 \\ & (66.9 \text { to } 67.9) \end{aligned}$ | $\begin{aligned} & 71.5 \\ & (71.0 \text { to } 71.8 \text { ) } \end{aligned}$ | $\begin{aligned} & 5950.0 \\ & (5790.0 \text { to } \\ & 6130.0) \end{aligned}$ | $\begin{gathered} 59 \cdot 0 \\ (51.7 \text { to } 67 \cdot 6) \end{gathered}$ | $\begin{aligned} & 740 \\ & \text { (681 to 801) } \end{aligned}$ | $\begin{aligned} & 1400 \\ & (1300 \text { to } 1520) \end{aligned}$ | $\begin{aligned} & 2.70 \\ & (2.50 \text { to } 2.90) \end{aligned}$ |
| Central Asia | $\begin{aligned} & 20.9 \\ & (17.6 \text { to } 24.6) \end{aligned}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-4.8 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.10 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.21 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 74 \cdot 3 \\ & (73 \cdot 3 \text { to } 75 \cdot 2) \end{aligned}$ | $\begin{aligned} & 67 \cdot 4 \\ & (66 \cdot 4 \text { to } 68 \cdot 5) \end{aligned}$ | $\begin{aligned} & 70.8 \\ & (69.8 \text { to } 71.8) \end{aligned}$ | $\begin{gathered} 724.0 \\ (671.0 \text { to } 779.0) \end{gathered}$ | $\begin{gathered} 42.6 \\ (36.0 \text { to } 50 \cdot 4) \end{gathered}$ | $\begin{aligned} & 108 \\ & (80 \text { to 133) } \end{aligned}$ | $\begin{aligned} & 150 \\ & (102 \text { to 186) } \end{aligned}$ | $\begin{aligned} & 1.46 \\ & (1.06 \text { to } 1.80) \end{aligned}$ |
| Armenia | $\begin{aligned} & 11 \cdot 1 \\ & (9.0 \text { to 13.8) } \end{aligned}$ | $\begin{aligned} & -4.8 \% \\ & (-6.0 \text { to }-3.6) \end{aligned}$ | $\begin{aligned} & 0.07 \\ & (0.06 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.16 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 78 \cdot 6 \\ & (77 \cdot 8 \text { to } 79 \cdot 4) \end{aligned}$ | $\begin{aligned} & 71 \cdot 3 \\ & (70 \cdot 3 \text { to } 72 \cdot 4) \end{aligned}$ | $\begin{aligned} & 75.0 \\ & (74 \cdot 1 \text { to } 76 \cdot 0) \end{aligned}$ | $\begin{gathered} 31 \cdot 3 \\ (28.9 \text { to } 33 \cdot 8) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 7 \\ (5 \text { to } 9) \end{gathered}$ | $\begin{gathered} 5 \\ (3 \text { to } 6) \end{gathered}$ | $\begin{aligned} & 2.08 \\ & (1.43 \text { to } 2.61) \end{aligned}$ |
| Azerbaijan | $\begin{aligned} & 28 \cdot 6 \\ & (23 \cdot 4 \text { to } 34 \cdot 7) \end{aligned}$ | $\begin{aligned} & -4.0 \% \\ & (-5.0 \text { to }-3 \cdot 0) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.19 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 73 \cdot 4 \\ & (72 \cdot 5 \text { to } 74 \cdot 3) \end{aligned}$ | $\begin{aligned} & 67.0 \\ & (66.0 \text { to } 68 \cdot 2) \end{aligned}$ | $\begin{aligned} & 70 \cdot 1 \\ & (69 \cdot 2 \text { to } 71 \cdot 2) \end{aligned}$ | $\begin{gathered} 89 \cdot 3 \\ (81 \cdot 9 \text { to } 96 \cdot 4) \end{gathered}$ | $\begin{gathered} 3.9 \\ (3.2 \text { to } 4.7) \end{gathered}$ | $\begin{gathered} 21 \\ (17 \text { to } 24) \end{gathered}$ | $\begin{gathered} 25 \\ (20 \text { to } 30) \end{gathered}$ | $\begin{aligned} & 2.31 \\ & \text { (1.83 to 2.67) } \end{aligned}$ |
| Georgia | $\begin{aligned} & 9.7 \\ & (7.7 \text { to } 12 \cdot 2) \end{aligned}$ | $\begin{aligned} & -6.1 \% \\ & (-7.2 \text { to }-5.0) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.10 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.25 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 75 \cdot 8 \\ & (75 \cdot 5 \text { to } 76 \cdot 2) \end{aligned}$ | $\begin{aligned} & 67.3 \\ & (67.0 \text { to } 67.5) \end{aligned}$ | $\begin{aligned} & 71 \cdot 5 \\ & \text { (71.2 to 71.7) } \end{aligned}$ | $\begin{gathered} 59.6 \\ (58 \cdot 6 \text { to } 60 \cdot 5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.6) \end{gathered}$ | $\begin{gathered} 6 \\ (4 \text { to } 7) \end{gathered}$ | $\begin{gathered} 17 \\ \text { (11 to 21) } \end{gathered}$ | $\begin{aligned} & 3.29 \\ & (2.22 \text { to } 4.19) \end{aligned}$ |
| Kazakhstan | $\begin{aligned} & 10 \cdot 2 \\ & (8 \cdot 4 \text { to } 12 \cdot 3) \end{aligned}$ | $\begin{aligned} & -6 \cdot 1 \% \\ & (-7 \cdot 0 \text { to }-5 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.12 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.26 \text { to } 0.30) \end{aligned}$ | $\begin{aligned} & 73 \cdot 9 \\ & (73 \cdot 1 \text { to } 74 \cdot 7) \end{aligned}$ | $\begin{aligned} & 65 \cdot 3 \\ & (64 \cdot 4 \text { to } 66 \cdot 2) \end{aligned}$ | $\begin{aligned} & 69.6 \\ & (68.7 \text { to } 70 \cdot 4) \end{aligned}$ | $\begin{aligned} & 181.0 \\ & (169.0 \text { to 194.0) } \end{aligned}$ | $\begin{gathered} 4.1 \\ (3.4 \text { to } 5 \cdot 0) \end{gathered}$ | $\begin{gathered} 30 \\ (23 \text { to } 36) \end{gathered}$ | $\begin{gathered} 51 \\ (41 \text { to } 60) \end{gathered}$ | $\begin{aligned} & 2.36 \\ & (1.87 \text { to } 2.76) \end{aligned}$ |
| Kyrgyzstan | $\begin{aligned} & 17.0 \\ & (14.9 \text { to } 19.0) \end{aligned}$ | $\begin{aligned} & -4 \cdot 4 \% \\ & (-5 \cdot 2 \text { to }-3 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.20 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 76 \cdot 1 \\ & (74 \cdot 7 \text { to } 77 \cdot 6) \end{aligned}$ | $\begin{aligned} & 68.4 \\ & (66.6 \text { to } 70.2) \end{aligned}$ | $\begin{aligned} & \begin{array}{l} 72 \cdot 3 \\ (70 \cdot 7 \text { to } 73 \cdot 9) \end{array} \end{aligned}$ | $\begin{gathered} 38.9 \\ (34.2 \text { to } 43.6) \end{gathered}$ | $\begin{gathered} 2.7 \\ (2.3 \text { to } 3.0) \end{gathered}$ | $\begin{gathered} 7 \\ (5 \text { to } 9) \end{gathered}$ | $\begin{gathered} 6 \\ (4 \text { to } 9) \end{gathered}$ | $\begin{aligned} & 1.06 \\ & (0.74 \text { to } 1.38) \end{aligned}$ |
| Mongolia | $\begin{aligned} & 16 \cdot 9 \\ & (14 \cdot 0 \text { to } 20 \cdot 5) \end{aligned}$ | $\begin{aligned} & -5.6 \% \\ & (-6.6 \text { to }-4.6) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.10 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.26 \text { to } 0.32) \end{aligned}$ | $\begin{aligned} & 74.6 \\ & (73.5 \text { to } 75.7) \end{aligned}$ | $\begin{aligned} & 65 \cdot 7 \\ & (64 \cdot 3 \text { to } 67 \cdot 1) \end{aligned}$ | $\begin{aligned} & 70.0 \\ & (69.1 \text { to } 71 \cdot 0) \end{aligned}$ | $\begin{gathered} 21 \cdot 5 \\ \text { (19.9 to 23.0) } \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.1 \text { to } 1.6) \end{gathered}$ | $\begin{gathered} -2 \\ (-5 \text { to } 1) \end{gathered}$ | $\begin{gathered} 1 \\ (-3 \text { to } 4) \end{gathered}$ | $\begin{aligned} & -0.17 \\ & (-1.15 \text { to } 0.74) \end{aligned}$ |
| Tajikistan | $\begin{aligned} & 34 \cdot 5 \\ & (28 \cdot 5 \text { to } 42 \cdot 2) \end{aligned}$ | $\begin{aligned} & -3 \cdot 1 \% \\ & (-4 \cdot 1 \text { to }-2 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.18 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 72.1 \\ & (70 \cdot 4 \text { to } 73 \cdot 7) \end{aligned}$ | $\begin{aligned} & 66 \cdot 9 \\ & (65 \cdot 1 \text { to } 69 \cdot 1) \end{aligned}$ | $\begin{aligned} & 69 \cdot 3 \\ & (67 \cdot 8 \text { to } 71 \cdot 0) \end{aligned}$ | $\begin{gathered} 59 \cdot 1 \\ \text { (52.2 to } 65 \cdot 6) \end{gathered}$ | $\begin{gathered} 9.7 \\ \text { (8.0 to 11.9) } \end{gathered}$ | $\begin{gathered} 12 \\ (9 \text { to } 15) \end{gathered}$ | $\begin{gathered} 16 \\ (11 \text { to } 20) \end{gathered}$ | $\begin{aligned} & 1.46 \\ & (1.06 \text { to } 1.79) \end{aligned}$ |
| Turkmenistan | $\begin{aligned} & 27 \cdot 5 \\ & (22 \cdot 2 \text { to } 33 \cdot 5) \end{aligned}$ | $\begin{aligned} & -3 \cdot 7 \% \\ & (-4 \cdot 6 \text { to }-2 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.12 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.24 \text { to } 0.34) \end{aligned}$ | $\begin{aligned} & 71 \cdot 5 \\ & (69 \cdot 4 \text { to } 73 \cdot 7) \end{aligned}$ | $\begin{aligned} & 64 \cdot 3 \\ & \text { (62.0 to } 66 \cdot 8 \text { ) } \end{aligned}$ | $\begin{aligned} & 67.8 \\ & (65 \cdot 5 \text { to } 70.1) \end{aligned}$ | $\begin{gathered} 43 \cdot 6 \\ \text { (36.5 to } 51 \cdot 2) \end{gathered}$ | $\begin{gathered} 3.0 \\ (2.4 \text { to } 3.7) \end{gathered}$ | $\begin{gathered} 6 \\ (5 \text { to } 8) \end{gathered}$ | $\begin{gathered} 8 \\ (6 \text { to } 10) \end{gathered}$ | $\begin{aligned} & 1.46 \\ & (1.06 \text { to } 1.79) \end{aligned}$ |
| Uzbekistan | $\begin{aligned} & 21 \cdot 5 \\ & (17 \cdot 7 \text { to } 26 \cdot 0) \end{aligned}$ | $\begin{aligned} & -3.5 \% \\ & (-4.4 \text { to }-2.5) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.15 \text { to } 0.20) \end{aligned}$ | $\begin{aligned} & 75 \cdot 1 \\ & \text { (73.6 to } 76 \cdot 6 \text { ) } \end{aligned}$ | $\begin{aligned} & 69 \cdot 9 \\ & (68 \cdot 1 \text { to } 71 \cdot 7) \end{aligned}$ | $\begin{aligned} & 72.5 \\ & \text { (70.8 to } 74 \cdot 2) \end{aligned}$ | $\begin{aligned} & 200.0 \\ & (175.0 \text { to } 227.0) \end{aligned}$ | $\begin{gathered} 17.0 \\ (14.0 \text { to } 20.7) \end{gathered}$ | $\stackrel{22}{(12 \text { to } 30)}$ | $\begin{gathered} 21 \\ (7 \text { to } 31) \end{gathered}$ | $\begin{aligned} & 0.69 \\ & (0.30 \text { to } 0.98) \end{aligned}$ |
| Central Europe | $\begin{aligned} & 5.0 \\ & (4.5 \text { to } 5 \cdot 6) \end{aligned}$ | $\begin{aligned} & -4 \cdot 7 \% \\ & (-5 \cdot 1 \text { to }-4 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.18 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 78 \cdot 3 \\ & (78 \cdot 2 \text { to } 78.5) \end{aligned}$ | $\begin{aligned} & 71 \cdot 3 \\ & (71 \cdot \text { to } 71 \cdot 4) \end{aligned}$ | $\begin{aligned} & 74.7 \\ & (74.5 \text { to } 74.8) \end{aligned}$ | $\begin{aligned} & 1760.0 \\ & (1740.0 \text { to } \\ & 1780.0) \end{aligned}$ | $\begin{gathered} 5 \cdot 3 \\ (4.8 \text { to } 5 \cdot 9) \end{gathered}$ | $\begin{aligned} & 195 \\ & \text { (140 to 243) } \end{aligned}$ | $\begin{aligned} & 353 \\ & \text { (268 to 422) } \end{aligned}$ | $\begin{aligned} & 2.54 \\ & (1.89 \text { to } 3.05) \end{aligned}$ |
| Albania | $\begin{aligned} & 13 \cdot 1 \\ & (10.7 \text { to } 16 \cdot 0) \end{aligned}$ | $\begin{aligned} & -3 \cdot 7 \% \\ & (-4.8 \text { to }-2 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.05 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 78.7 \\ & \text { (77.6 to 79.9) } \end{aligned}$ | $\begin{aligned} & 73 \cdot 6 \\ & (72 \cdot 1 \text { to } 75 \cdot 3) \end{aligned}$ | $\begin{aligned} & 76.0 \\ & (74.7 \text { to } 77.5) \end{aligned}$ | $\begin{gathered} 30 \cdot 1 \\ (26 \cdot 5 \text { to } 33 \cdot 6) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 5 \\ (2 \text { to } 8) \end{gathered}$ | $\begin{gathered} 7 \\ (3 \text { to } 10) \end{gathered}$ | $\begin{aligned} & 2.36 \\ & (1.05 \text { to } 3.63) \end{aligned}$ |
| Bosnia and Herzegovina | $\begin{aligned} & 5 \cdot 2 \\ & (4 \cdot 4 \text { to } 6 \cdot 3) \end{aligned}$ | $\begin{aligned} & -3.6 \% \\ & (-4 \cdot 4 \text { to }-2 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.07 \\ & (0.06 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.12 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 78.3 \\ & (76.9 \text { to } 79.8) \end{aligned}$ | $\begin{aligned} & 72.6 \\ & (70.8 \text { to } 74 \cdot 6) \end{aligned}$ | $\begin{aligned} & 75 \cdot 4 \\ & (73 \cdot 8 \text { to } 77 \cdot 1) \end{aligned}$ | $\begin{gathered} 46.4 \\ (39.7 \text { to } 53.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.2) \end{gathered}$ | $\begin{gathered} 5 \\ \left(1 \text { to }_{9}\right) \end{gathered}$ | $\begin{gathered} 8 \\ (3 \text { to 14) } \end{gathered}$ | $\begin{aligned} & 2.05 \\ & (0.80 \text { to } 3.47) \end{aligned}$ |
| Bulgaria | $\begin{aligned} & 6 \cdot 6 \\ & (5 \cdot 9 \text { to } 7 \cdot 4) \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-5 \cdot 2 \text { to }-4 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.13 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.26 \\ & (0.25 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 73 \cdot 7 \\ & (73 \cdot 3 \text { to } 74 \cdot 1) \end{aligned}$ | $\begin{aligned} & 66 \cdot 4 \\ & (65 \cdot 9 \text { to } 67 \cdot 0) \end{aligned}$ | $\begin{aligned} & 69 \cdot 9 \\ & (69 \cdot 4 \text { to } 70 \cdot 3) \end{aligned}$ | $\begin{aligned} & 169.0 \\ & (164.0 \text { to 173.0) } \end{aligned}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 20 \\ (11 \text { to } 26) \end{gathered}$ | $\begin{aligned} & 47 \\ & (36 \text { to } 56) \end{aligned}$ | $\begin{aligned} & 5 \cdot 21 \\ & (3.82 \text { to } 6.30) \end{aligned}$ |
| Croatia | $\begin{aligned} & 4.6 \\ & (3.8 \text { to } 5 \cdot 4) \end{aligned}$ | $\begin{aligned} & -2.7 \% \\ & (-3.5 \text { to }-1.8) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.05 \text { to } 0.06) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.12 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 80 \cdot 3 \\ & (80 \cdot 0 \text { to } 80 \cdot 6) \end{aligned}$ | $\begin{aligned} & 74 \cdot 1 \\ & (73 \cdot 8 \text { to } 74 \cdot 4) \end{aligned}$ | $\begin{aligned} & 77.2 \\ & (76.9 \text { to } 77.5) \end{aligned}$ | $\begin{gathered} 62 \cdot 4 \\ (60.6 \text { to } 64 \cdot 0) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.1 \text { to } 0.2) \end{gathered}$ | $\begin{gathered} 5 \\ (2 \text { to } 7 \text { ) } \end{gathered}$ | $\begin{gathered} 10 \\ (6 \text { to 14) } \end{gathered}$ | $\begin{aligned} & 1.84 \\ & \text { (1.03 to 2.61) } \end{aligned}$ |
| Czechia | $\begin{aligned} & 2 \cdot 7 \\ & (2.3 \text { to } 3 \cdot 1) \end{aligned}$ | $\begin{aligned} & -3 \cdot 2 \% \\ & (-4 \cdot 0 \text { to }-2 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.06 \text { to } 0.06) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.12 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 80 \cdot 9 \\ & (80 \cdot 6 \text { to } 81 \cdot 1) \end{aligned}$ | $\begin{aligned} & 74 \cdot 4 \\ & (74 \cdot 2 \text { to } 74 \cdot 6) \end{aligned}$ | $\begin{aligned} & 77 \cdot 6 \\ & (77 \cdot 3 \text { to } 77.8) \end{aligned}$ | $\begin{aligned} & 138 \cdot 0 \\ & \text { (136.0 to 141.0) } \end{aligned}$ | $\begin{gathered} 0.3 \\ (0.2 \text { to } 0.3) \end{gathered}$ | $\begin{gathered} 15 \\ (8 \text { to } 22) \end{gathered}$ | $\begin{gathered} 23 \\ (12 \text { to } 32) \end{gathered}$ | $\begin{aligned} & 1.88 \\ & (1.00 \text { to } 2.57) \end{aligned}$ |
| Hungary | $\begin{aligned} & 4.0 \\ & (3 \cdot 4 \text { to } 4 \cdot 7) \end{aligned}$ | $\begin{aligned} & -4.6 \% \\ & (-5 \cdot 3 \text { to }-3 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.09 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.19 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 78.0 \\ & (77.8 \text { to } 78.2) \end{aligned}$ | $\begin{aligned} & 70 \cdot 9 \\ & (70.7 \text { to } 71 \cdot 1) \end{aligned}$ | $\begin{aligned} & 74 \cdot 5 \\ & (74 \cdot 3 \text { to } 74 \cdot 6) \end{aligned}$ | $\begin{gathered} 154 \cdot 0 \\ (152.0 \text { to } 156 \cdot 0) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 12 \\ (3 \text { to } 18) \end{gathered}$ | $\begin{gathered} 26 \\ (14 \text { to } 35) \end{gathered}$ | $\begin{aligned} & 2.02 \\ & (0.96 \text { to } 2.84) \end{aligned}$ |


|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) | Excess <br> deaths due <br> to COVID-19 <br> in 2020 <br> (thousands) | Excess deaths due to COVID-19 in 2021 (thousands) | Excess mortality rate due to COVID-19, 2020-21 (deaths per 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate <br> in 2021 <br> (deaths <br> per 1000) | Annualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Montenegro | $\begin{aligned} & 3 \cdot 9 \\ & (3 \cdot 2 \text { to } 4 \cdot 7) \end{aligned}$ | $\begin{aligned} & -5.5 \% \\ & (-6.5 \text { to }-4.5) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.17 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 76 \cdot 0 \\ & (75 \cdot 4 \text { to } 76 \cdot 6) \end{aligned}$ | $\begin{aligned} & 69.8 \\ & (69.0 \text { to } 70.5) \end{aligned}$ | $\begin{aligned} & 72 \cdot 7 \\ & \text { (72.1 to } 73 \cdot 3 \text { ) } \end{aligned}$ | $\begin{gathered} 9.9 \\ \text { (9.4 to 10.4) } \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to } 1) \end{gathered}$ | $\begin{gathered} 3 \\ (3 \text { to } 3) \end{gathered}$ | $\begin{aligned} & 3.35 \\ & (2.78 \text { to } 3.90) \end{aligned}$ |
| North Macedonia | $\begin{aligned} & 5 \cdot 6 \\ & (4 \cdot 9 \text { to } 6 \cdot 3) \end{aligned}$ | $\begin{aligned} & -4 \cdot 9 \% \\ & (-5 \cdot 5 \text { to }-4 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.09 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.17 \text { to } 0.22) \end{aligned}$ | $\begin{aligned} & 74 \cdot 2 \\ & (73 \cdot 2 \text { to } 75 \cdot 3) \end{aligned}$ | $\begin{aligned} & 69.2 \\ & (68.0 \text { to } 70.4) \end{aligned}$ | $\begin{aligned} & 71 \cdot 5 \\ & (70 \cdot 4 \text { to } 72 \cdot 7) \end{aligned}$ | $\begin{gathered} 32 \cdot 7 \\ \text { (29.3 to } 36 \cdot 3 \text { ) } \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 7 \\ \text { (5 to 8) } \end{gathered}$ | $\begin{gathered} 10 \\ \text { (8 to 12) } \end{gathered}$ | $\begin{aligned} & 4.86 \\ & (3.79 \text { to } 5 \cdot 66) \end{aligned}$ |
| Poland | $\begin{aligned} & 4.4 \\ & (3 \cdot 9 \text { to } 5 \cdot 0) \end{aligned}$ | $\begin{aligned} & -3 \cdot 7 \% \\ & (-4 \cdot 3 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.07 \\ & (0.07 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.18 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 79 \cdot 7 \\ & (79 \cdot 6 \text { to } 79 \cdot 8) \end{aligned}$ | $\begin{aligned} & 71 \cdot 8 \\ & \text { (71.7 to 71.9) } \end{aligned}$ | $\begin{aligned} & 75 \cdot 7 \\ & (75 \cdot 6 \text { to } 75 \cdot 8) \end{aligned}$ | $\begin{gathered} 517.0 \\ (514.0 \text { to } 520.0) \end{gathered}$ | $\begin{gathered} 1.5 \\ (1.3 \text { to } 1.7) \end{gathered}$ | $\begin{gathered} 65 \\ (48 \text { to } 78) \end{gathered}$ | $\begin{gathered} 101 \\ (72 \text { to 122) } \end{gathered}$ | $\begin{aligned} & 2.28 \\ & (1.81 \text { to } 2.72) \end{aligned}$ |
| Romania | $\begin{aligned} & 6.7 \\ & (6.1 \text { to } 7.4) \end{aligned}$ | $\begin{aligned} & -5.7 \% \\ & (-6.2 \text { to }-5 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.10 \text { to } 0 \cdot 10) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.22 \text { to } 0.22) \end{aligned}$ | $\begin{aligned} & 76.8 \\ & (76.7 \text { to } 77 \cdot 0) \end{aligned}$ | $\begin{aligned} & 69 \cdot 2 \\ & (69 \cdot 1 \text { to } 69 \cdot 4) \end{aligned}$ | $\begin{aligned} & 72.9 \\ & (72.8 \text { to } 73.0) \end{aligned}$ | $\begin{gathered} 334.0 \\ \text { (332.0 to 337.0) } \end{gathered}$ | $\begin{gathered} 1 \cdot 2 \\ (1 \cdot 1 \text { to } 1 \cdot 3) \end{gathered}$ | $\begin{gathered} 38 \\ \text { (25 to 51) } \end{gathered}$ | $\begin{gathered} 72 \\ \text { (49 to 90) } \end{gathered}$ | $\begin{aligned} & 3.00 \\ & (2.06 \text { to } 3.85) \end{aligned}$ |
| Serbia | $\begin{aligned} & 4 \cdot 7 \\ & (4 \cdot 2 \text { to } 5 \cdot 2) \end{aligned}$ | $\begin{aligned} & -5 \cdot 4 \% \\ & (-6 \cdot 3 \text { to }-4 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.16 \text { to } 0.16) \end{aligned}$ | $\begin{aligned} & 76.7 \\ & (76.5 \text { to } 76 \cdot 9) \end{aligned}$ | $\begin{aligned} & 71.7 \\ & (71.5 \text { to } 71.8) \end{aligned}$ | $\begin{aligned} & 74 \cdot 1 \\ & (74 \cdot 0 \text { to } 74 \cdot 3 \text { ) } \end{aligned}$ | $\begin{aligned} & 149.0 \\ & \text { (147.0 to 151.0) } \end{aligned}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 15 \\ (5 \text { to } 27) \end{gathered}$ | $\begin{gathered} 26 \\ (6 \text { to } 44) \end{gathered}$ | $\begin{aligned} & 2.52 \\ & (0.61 \text { to } 4 \cdot 24) \end{aligned}$ |
| Slovakia | $\begin{aligned} & 5 \cdot 8 \\ & (5 \cdot 1 \text { to } 6 \cdot 4) \end{aligned}$ | $\begin{aligned} & -2 \cdot 6 \% \\ & (-3 \cdot 2 \text { to }-2.0) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.17 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 78.3 \\ & (78 \cdot 1 \text { to } 78.6) \end{aligned}$ | $\begin{aligned} & 71 \cdot 3 \\ & \text { (71.0 to 71.5) } \end{aligned}$ | $\begin{aligned} & 74.7 \\ & (74 \cdot 6 \text { to } 74 \cdot 9) \end{aligned}$ | $\begin{gathered} 72 \cdot 6 \\ \text { (71.5 to } 73 \cdot 6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 5 \\ \text { (2 to } 8 \text { ) } \end{gathered}$ | $\begin{gathered} 18 \\ \text { (13 to 22) } \end{gathered}$ | $\begin{aligned} & 2.23 \\ & (1.38 \text { to } 2.88) \end{aligned}$ |
| Slovenia | $\begin{aligned} & 2.2 \\ & (2.0 \text { to } 2.5) \end{aligned}$ | $\begin{aligned} & -4 \cdot 2 \% \\ & (-4.8 \text { to }-3 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.04 \text { to 0.04) } \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 84 \cdot 0 \\ & (83 \cdot 4 \text { to } 84 \cdot 6) \end{aligned}$ | $\begin{aligned} & 77 \cdot 6 \\ & (77 \cdot 2 \text { to } 78 \cdot 1) \end{aligned}$ | $\begin{aligned} & 80 \cdot 8 \\ & (80 \cdot 4 \text { to } 81 \cdot 3) \end{aligned}$ | $\begin{gathered} 23 \cdot 0 \\ (22 \cdot 0 \text { to } 23 \cdot 9) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 3 \\ (1 \text { to 4) } \end{gathered}$ | $\begin{gathered} 2 \\ (0 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 1.20 \\ & (0.31 \text { to } 1.88) \end{aligned}$ |
| Eastern Europe | $\begin{aligned} & 6.1 \\ & \text { (5.6 to } 6.5 \text { ) } \end{aligned}$ | $\begin{aligned} & -5 \cdot 2 \% \\ & (-5 \cdot 6 \text { to }-4 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.12 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.30 \\ & (0.28 \text { to } 0.32) \end{aligned}$ | $\begin{aligned} & 74 \cdot 9 \\ & (74 \cdot 2 \text { to } 75 \cdot 5) \end{aligned}$ | $\begin{aligned} & 65 \cdot 8 \\ & (65 \cdot 0 \text { to } 66 \cdot 6) \end{aligned}$ | $\begin{aligned} & 70.4 \\ & (69.8 \text { to } 70.9) \end{aligned}$ | $\begin{aligned} & 3470.0 \\ & (3340.0 \text { to } \\ & 3610.0) \end{aligned}$ | $\begin{gathered} 11 \cdot 1 \\ (10 \cdot 3 \text { to } 11 \cdot 9) \end{gathered}$ | $\begin{aligned} & 436 \\ & (398 \text { to } 467) \end{aligned}$ | $\begin{aligned} & 899 \\ & (854 \text { to } 940) \end{aligned}$ | $\begin{aligned} & 3 \cdot 33 \\ & (3 \cdot 15 \text { to } 3 \cdot 46) \end{aligned}$ |
| Belarus | $\begin{aligned} & 4 \cdot 0 \\ & (3 \cdot 1 \text { to } 5 \cdot 3) \end{aligned}$ | $\begin{aligned} & -6 \cdot 9 \% \\ & (-8 \cdot 2 \text { to }-5 \cdot 5) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.10 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.25 \text { to } 0.33) \end{aligned}$ | $\begin{aligned} & 76.0 \\ & (74 \cdot 4 \text { to } 77.5) \end{aligned}$ | $\begin{aligned} & 66 \cdot 0 \\ & (64 \cdot 2 \text { to } 67.8) \end{aligned}$ | $\begin{aligned} & 71.0 \\ & (69 \cdot 2 \text { to } 72 \cdot 7) \end{aligned}$ | $\begin{aligned} & 162.0 \\ & \text { (141.0 to 186.0) } \end{aligned}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 23 \\ (17 \text { to 29) } \end{gathered}$ | $\begin{gathered} 42 \\ (32 \text { to } 54) \end{gathered}$ | $\begin{aligned} & 3.67 \\ & (2.78 \text { to } 4.77) \end{aligned}$ |
| Estonia | $\begin{aligned} & 2.5 \\ & (2.2 \text { to } 2.9) \end{aligned}$ | $\begin{aligned} & -7.1 \% \\ & (-7.8 \text { to -6.4 } \end{aligned}$ | $\begin{aligned} & 0.07 \\ & (0.06 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.17 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 81 \cdot 2 \\ & (80 \cdot 6 \text { to } 81 \cdot 8) \end{aligned}$ | $\begin{aligned} & 72 \cdot 4 \\ & (71 \cdot 9 \text { to 72.9) } \end{aligned}$ | $\begin{aligned} & 76 \cdot 9 \\ & (76 \cdot 5 \text { to } 77 \cdot 3) \end{aligned}$ | $\begin{gathered} 18.6 \\ (18.0 \text { to } 19.2) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (-1 \text { to } 1) \end{gathered}$ | $\begin{gathered} 3 \\ (2 \text { to } 5) \end{gathered}$ | $\begin{aligned} & 1.44 \\ & (0.59 \text { to } 2.33) \end{aligned}$ |
| Latvia | $\begin{aligned} & 3 \cdot 7 \\ & (3 \cdot 2 \text { to } 4 \cdot 3) \end{aligned}$ | $\begin{aligned} & -6.1 \% \\ & (-6.9 \text { to-5.4) } \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.26 \\ & (0.25 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 78.1 \\ & (77.7 \text { to } 78.5) \end{aligned}$ | $\begin{aligned} & 68.3 \\ & (67.9 \text { to } 68.7) \end{aligned}$ | $\begin{aligned} & 73 \cdot 2 \\ & (73.0 \text { to } 73 \cdot 5) \end{aligned}$ | $\begin{gathered} 34 \cdot 2 \\ (33.4 \text { to } 35 \cdot 0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 1 \\ \text { (0to } 3 \text { ) } \end{gathered}$ | $\begin{gathered} 7 \\ \text { (5to 9) } \end{gathered}$ | $\begin{aligned} & 2.35 \\ & (1.36 \text { to } 3.41) \end{aligned}$ |
| Lithuania | $\begin{aligned} & 3.5 \\ & (3.1 \text { to } 3 \cdot 9) \end{aligned}$ | $\begin{aligned} & -5 \cdot 3 \% \\ & (-5 \cdot 9 \text { to }-4 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.09 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.23 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 78.9 \\ & (78.5 \text { to } 79 \cdot 3) \end{aligned}$ | $\begin{aligned} & 69 \cdot 2 \\ & (68.8 \text { to } 69 \cdot 5) \end{aligned}$ | $\begin{aligned} & 74 \cdot 1 \\ & (73 \cdot 8 \text { to } 74 \cdot 4) \end{aligned}$ | $\begin{gathered} 47 \cdot 2 \\ (46 \cdot 2 \text { to } 48 \cdot 2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 5 \\ \text { (3 to } 8 \text { ) } \end{gathered}$ | $\begin{gathered} 10 \\ (6 \text { to 13) } \end{gathered}$ | $\begin{aligned} & 2.84 \\ & (1.91 \text { to } 3.89) \end{aligned}$ |
| Moldova | $\begin{aligned} & 10 \cdot 9 \\ & \text { (8.2 to 14•4) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 4 \% \\ & (-5 \cdot 7 \text { to }-3 \cdot 0) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.10 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.23 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 76 \cdot 4 \\ & (75 \cdot 4 \text { to } 77 \cdot 3) \end{aligned}$ | $\begin{aligned} & 67.9 \\ & (66.7 \text { to } 69.0) \end{aligned}$ | $\begin{aligned} & 72 \cdot 1 \\ & (71 \cdot 0 \text { to } 73 \cdot 2 \text { ) } \end{aligned}$ | $\begin{gathered} 50 \cdot 1 \\ (47.0 \text { to } 53 \cdot 6) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 5 \\ \text { (5 to } 6 \text { ) } \end{gathered}$ | $\begin{gathered} 10 \\ \text { (10 to 11) } \end{gathered}$ | $\begin{aligned} & 2.29 \\ & (2.21 \text { to } 2 \cdot 38) \end{aligned}$ |
| Russia | $\begin{aligned} & 5 \cdot 8 \\ & (5 \cdot 5 \text { to } 6 \cdot 2) \end{aligned}$ | $\begin{aligned} & -5 \cdot 6 \% \\ & (-5 \cdot 9 \text { to }-5 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.14 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.31 \text { to } 0.31) \end{aligned}$ | $\begin{aligned} & 74 \cdot 3 \\ & (74 \cdot 3 \text { to } 74 \cdot 4) \end{aligned}$ | $\begin{aligned} & 65 \cdot 5 \\ & (65 \cdot 5 \text { to } 65 \cdot 6) \end{aligned}$ | $\begin{aligned} & 70.0 \\ & (69.9 \text { to } 70.0) \end{aligned}$ | $\begin{aligned} & 2410.0 \\ & (2410.0 \text { to } \\ & 2420.0) \end{aligned}$ | $\begin{gathered} 8.1 \\ (7.6 \text { to } 8.6) \end{gathered}$ | $\begin{aligned} & 357 \\ & (355 \text { to } 360) \end{aligned}$ | $\begin{aligned} & 690 \\ & \text { (687 to 693) } \end{aligned}$ | $\begin{aligned} & 3.70 \\ & (3.68 \text { to } 3.72) \end{aligned}$ |
| Ukraine | $\begin{aligned} & 7.8 \\ & (6.2 \text { to } 9.2) \end{aligned}$ | $\begin{aligned} & -3 \cdot 3 \% \\ & (-4 \cdot 3 \text { to }-2 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.08 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.22 \text { to } 0.37) \end{aligned}$ | $\begin{aligned} & 75.7 \\ & (72.7 \text { to } 78.6) \end{aligned}$ | $\begin{aligned} & 66 \cdot 3 \\ & (62.7 \text { to } 70 \cdot 1) \end{aligned}$ | $\begin{aligned} & 71.0 \\ & (68 \cdot 5 \text { to } 73 \cdot 6) \end{aligned}$ | $\begin{aligned} & 745.0 \\ & (614.0 \text { to } 880.0) \end{aligned}$ | $\begin{gathered} 2.2 \\ (1.7 \text { to } 2.6) \end{gathered}$ | $\begin{gathered} 44 \\ (9 \text { to } 77) \end{gathered}$ | $\begin{aligned} & 137 \\ & \text { (96 to 179) } \end{aligned}$ | $\begin{aligned} & 2.18 \\ & (1.45 \text { to } 2.93) \end{aligned}$ |
| High income | $\begin{aligned} & 4.6 \\ & (4 \cdot 2 \text { to } 5 \cdot 0) \end{aligned}$ | $\begin{aligned} & -2.4 \% \\ & (-2.8 \text { to -2.0 }) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.06 \text { to } \\ & 0.06) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.11 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 83 \cdot 3 \\ & (83 \cdot 3 \text { to } 83 \cdot 4) \end{aligned}$ | $\begin{aligned} & 77.9 \\ & (77.8 \text { to } 78.0) \end{aligned}$ | $\begin{aligned} & 80.6 \\ & (80.5 \text { to } \\ & 80.7) \end{aligned}$ | $\begin{aligned} & 10900.0 \\ & (10800.0 \text { to } \\ & 10900.0) \end{aligned}$ | $\begin{gathered} 47 \cdot 9 \\ (44.0 \text { to } 52 \cdot 2) \end{gathered}$ | $\begin{aligned} & 971 \\ & \text { (939 to } \\ & 1000 \text { ) } \end{aligned}$ | $\begin{aligned} & 947 \\ & (907 \text { to } 985) \end{aligned}$ | $\begin{aligned} & 0.90 \\ & (0.87 \text { to } 0.93) \end{aligned}$ |
| Australasia | $\begin{aligned} & 3.3 \\ & (2.8 \text { to } 3.8) \end{aligned}$ | $\begin{aligned} & -3.3 \% \\ & (-4.0 \text { to }-2.5) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.04 \text { to 0.04) } \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08) \end{aligned}$ | $\begin{aligned} & 85 \cdot 3 \\ & (85 \cdot 3 \text { to } 85 \cdot 4) \end{aligned}$ | $\begin{aligned} & 81 \cdot 2 \\ & (81 \cdot 1 \text { to } 81 \cdot 2) \end{aligned}$ | $\begin{aligned} & 83 \cdot 2 \\ & (83 \cdot 2 \text { to } 83 \cdot 3) \end{aligned}$ | $\begin{gathered} 210.0 \\ \text { (209.0to 210.0) } \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0 \text { to } 1.4) \end{gathered}$ | $\begin{gathered} -5 \\ (-6 \text { to }-5) \end{gathered}$ | $\begin{gathered} 4 \\ \text { (3to 5) } \end{gathered}$ | $-0.03$ (-0.06 to -0.00) |
| Australia | $\begin{aligned} & 3.0 \\ & (2.5 \text { to } 3.6) \end{aligned}$ | $\begin{aligned} & -3 \cdot 6 \% \\ & (-4 \cdot 4 \text { to }-2 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.04 \text { to } 0.04) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08) \end{aligned}$ | $\begin{aligned} & 85 \cdot 6 \\ & (85 \cdot 5 \text { to } 85 \cdot 7) \end{aligned}$ | $\begin{aligned} & 81 \cdot 2 \\ & (81 \cdot 1 \text { to } 81 \cdot 3) \end{aligned}$ | $\begin{aligned} & 83 \cdot 4 \\ & (83 \cdot 3 \text { to } 83 \cdot 5) \end{aligned}$ | $\begin{gathered} 175 \cdot 0 \\ (174 \cdot 0 \text { to } 176.0) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.7 \text { to } 1.0) \end{gathered}$ | $\begin{gathered} -3 \\ (-4 \text { to }-3) \end{gathered}$ | $\begin{gathered} 4 \\ (3 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 0.01 \\ & (-0.02 \text { to } 0.03) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  | (Table 1 continu | es on next page) |


|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) |  |  | Excess mortality rate due to COVID-19, 2020-21 (deaths per 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate <br> in 2021 <br> per 1000 $\text { er } 1000$ | $\begin{aligned} & \text { Annualised } \\ & \text { rate of } \\ & \text { change, } \\ & 2000-21 \end{aligned}$ | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| New Zealand | $\begin{aligned} & 4.8 \\ & (4.3 \text { to } 5 \cdot 4) \end{aligned}$ | $\begin{aligned} & -2.3 \% \\ & (-2 \cdot 9 \text { to }-1.6) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.05 \text { to } 0.05) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08) \end{aligned}$ | $84 \cdot 1$ <br> (83.9 to 84.3) | $80 \cdot 7$ <br> (80.5 to 80.9) | $\begin{aligned} & 82 \cdot 4 \\ & (82 \cdot 3 \text { to } 82 \cdot 6) \end{aligned}$ | $\begin{gathered} 34 \cdot 5 \\ \text { ( } 34.1 \text { to } 35 \cdot 0) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.3) \end{gathered}$ | $\begin{aligned} & -2 \\ & (-2 t o-2) \end{aligned}$ | $\begin{gathered} 0 \\ (0 \text { to } 0 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.21 \\ & \begin{array}{l} (-0.27 \text { to } \\ -0.15) \end{array}, ~ \end{aligned}$ |
| Pacific <br> High-income Asia Pacific | ${ }_{(2.0 \mathrm{to} 2.4)}^{2.4}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-4.5 \text { to }-3.7) \end{aligned}$ | $\begin{aligned} & 0.03 \\ & (0.03 \text { to } 0.03 \text { ) } \end{aligned}$ | $\begin{aligned} & 0.07 \\ & (0.07 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 87.8 \\ & (877 \text { to } 87.8) \end{aligned}$ | $\begin{aligned} & 81 \cdot 8 \\ & \text { (81.7 to 81.9) } \end{aligned}$ | $\begin{aligned} & 84 \cdot 8 \\ & (84.8 \text { to } 84.9) \end{aligned}$ | $\begin{aligned} & 1800.0 \\ & (1790.0 \text { to } \\ & 1800.0) \end{aligned}$ | $\begin{gathered} 2.7 \\ (2.5 \text { to } 2 \cdot 9) \end{gathered}$ | $\begin{aligned} & -27 \\ & (-32 \text { to }-22) \end{aligned}$ | $\stackrel{22}{(15 \text { to } 29)}$ | $\begin{aligned} & -0.01 \\ & (-0.04 \text { to } 0.01) \end{aligned}$ |
| Brunei | $\begin{aligned} & 9.7 \\ & (7.7 \text { to } 12 \cdot 1) \end{aligned}$ | $\begin{aligned} & -0.3 \% \\ & (-1.5 \mathrm{to} 1.0) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.12+0.15) \\ & \hline \end{aligned}$ | $\begin{aligned} & 78 \cdot 3 \\ & (77 \cdot 1 \mathrm{to} 79 \cdot 3) \end{aligned}$ | $\begin{aligned} & 74.9 \\ & (73.6 \text { to } 76.0) \end{aligned}$ | $\begin{aligned} & 76 \cdot 6 \\ & (75 \cdot 4 \text { to } 77 \cdot 7) \end{aligned}$ | $\begin{gathered} 1.8 \\ (1.7 \mathrm{to} 2.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.0 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0 \text { ) } \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.13 \\ & (-0.08 \text { to } \\ & 0.30) \end{aligned}$ |
| Japan | $\stackrel{21}{2.1}_{(1.902 \cdot 4)}$ | $\begin{aligned} & -3 \cdot 5 \% \\ & (-4 \cdot 1 \text { to }-2 \cdot 9) \end{aligned}$ | $\begin{aligned} & 0.03 \\ & (0.03 \text { to } 0.03 \text { ) } \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.06 \text { to } 0.06) \end{aligned}$ | 88.1 <br> (88.0 to 88.2 ) | $\begin{aligned} & 82 \cdot 2 \\ & (82 \cdot 1 \text { to } 82 \cdot 2) \end{aligned}$ | $\begin{aligned} & 85 \cdot 2 \\ & (85 \cdot 1 \text { to } 85 \cdot 2) \end{aligned}$ | $\begin{aligned} & 1440.0 \\ & (1430.0 \text { to } \\ & 1450.0) \end{aligned}$ | $\begin{gathered} 1.8 \\ (1.6 \text { to } 2 \cdot 1) \end{gathered}$ | $\begin{aligned} & -28 \\ & (-33 \text { to }-24) \end{aligned}$ | $\begin{gathered} 8 \\ (2 \operatorname{to14)} \end{gathered}$ | $\begin{aligned} & -0.08 \\ & (-0.12 \text { to } \\ & -0.05) \end{aligned}$ |
| Singapore | $\stackrel{1}{1 \cdot 7}_{(1-4020)}$ | $\begin{aligned} & -4 \cdot 2 \% \\ & (-5 \cdot 2 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.03 \\ & (0.03 \text { to } 0.03) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.05 \text { to } 0.05) \end{aligned}$ | $\begin{aligned} & \text { (87.750 } 87.9) \end{aligned}$ | $\begin{aligned} & 83 \cdot 6 \\ & (83 \cdot 4 \text { to } 83 \cdot 8) \end{aligned}$ | $\begin{aligned} & 85 \cdot 7 \\ & (85 \cdot 5 \text { to } 85 \cdot 9) \end{aligned}$ | $\begin{gathered} 23 \cdot 7 \\ (23 \cdot 3 \text { to } 24 \cdot 2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 0 \\ (-1 \text { to } 0) \end{gathered}$ | $\begin{gathered} 2 \\ (1 \text { to } 2) \end{gathered}$ | $\begin{aligned} & 0.10 \\ & (0.06 \text { to } 0.15) \end{aligned}$ |
| South Korea | $\begin{aligned} & 2.5 \\ & (2.0 \text { to } 2.9) \end{aligned}$ | $\begin{aligned} & -4 \cdot 9 \% \\ & (-5 \cdot 9 \text { to }-4.0) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.03 \text { to } 0.04) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.08) \end{aligned}$ | 86.0 <br> (85.9 to 86.2) | $80 \cdot 3$ <br> (80.1 to 80.5) | 83.2 <br> (83.1 to 83.4) | $\begin{gathered} 331.0 \\ (326.0 \mathrm{to} 336.00) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.5 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} 2 \\ (1 \text { to } 3) \end{gathered}$ | $\begin{gathered} 12 \\ (12 \text { to } 14) \end{gathered}$ | $\begin{aligned} & 0.13 \\ & (0.12 \text { to } 0.15) \end{aligned}$ |
| High-income North America | $\begin{aligned} & 5 \cdot 7 \\ & (5 \cdot 2 \text { to } 6 \cdot 2) \end{aligned}$ | $\begin{aligned} & -1.7 \% \\ & (-2.1 \text { to -1.3) } \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.09 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.16 \text { to } 0.16) \end{aligned}$ | 80.4 <br> (80.3 to 80.6 ) | $\begin{aligned} & 74.8 \\ & (74.6 \text { to } 74.9) \end{aligned}$ | $\begin{aligned} & 77 \cdot 6 \\ & (77 \cdot 4 \mathrm{to} 77 \cdot 7) \end{aligned}$ | $\begin{aligned} & 3780.0 \\ & (3750.0 \text { to } \\ & 3810.0) \end{aligned}$ | $\begin{gathered} 23 \cdot 1 \\ (21 \cdot 1 \text { to } 25 \cdot 2) \end{gathered}$ | $\begin{aligned} & 530 \\ & \text { (519 to 542) } \end{aligned}$ | $\begin{aligned} & 560 \\ & \text { (543 to 579) } \end{aligned}$ | $\begin{aligned} & 1.53 \\ & (1.49 \text { to } 1.56) \end{aligned}$ |
| Canada | $\begin{aligned} & 4.0 \\ & (3 \cdot 404.8) \end{aligned}$ | $\begin{aligned} & -1.8 \% \\ & (-2.6 \text { to }-0.9) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.05 \text { to } 0.05) \end{aligned}$ | $\begin{aligned} & \left.{ }_{(0.09}^{0.09} \text { to } 0.09\right) \end{aligned}$ | $84 \cdot 1$ <br> (83.9 to 84-2) | $\begin{aligned} & 79 \cdot 5 \\ & (79 \cdot 4 \text { to } 79 \cdot 7) \end{aligned}$ | $\begin{aligned} & 81 \cdot 8 \\ & (81 \cdot 7 \text { to } 82 \cdot 0) \end{aligned}$ | $\begin{aligned} & 310.0 \\ & (307 \cdot 0 \mathrm{oto} 314.0) \end{aligned}$ | $\begin{gathered} 1.5 \\ (1.2 \mathrm{to1.8}) \end{gathered}$ | $\begin{gathered} 37 \\ (35 \text { to } 39) \end{gathered}$ | $\begin{gathered} 32 \\ (30 \text { to } 34) \end{gathered}$ | $\begin{aligned} & 0.95 \\ & (0.90 \text { to } 0.99) \end{aligned}$ |
| Greenland | $\begin{aligned} & 10.6 \\ & (9.0 \text { to 12.3) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 1 \% \\ & (-4 \cdot 1 \text { to }-2 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.11 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.20 \\ & (0.17 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 76 \cdot 9 \\ & (75 \cdot 7 \text { to } 77 \cdot 9) \end{aligned}$ | ${ }_{(69 \cdot 7 \text { to } 72 \cdot 7)}^{71.4}$ | $\begin{aligned} & 73 \cdot 8 \\ & (72 \cdot 4 \text { to } 75 \cdot 0) \end{aligned}$ | $\begin{gathered} 0.4 \\ (0.440 .5) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0too) } \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.38 \\ & (0.08 \text { to } 0.62) \end{aligned}$ |
| USA | $\begin{aligned} & 5.9 \\ & (5 \cdot 4 \text { to } 6.4) \end{aligned}$ | $\begin{aligned} & -1.7 \% \\ & (-2.1 \mathrm{to}-1.2) \\ & l^{2} \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.09 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.16 \text { to } 0.17) \\ & \hline \end{aligned}$ | 80.0 <br> (79.9 to 80.2) | $\begin{aligned} & 74 \cdot 3 \\ & (74 \cdot 1 \text { to } 74 \cdot 4) \end{aligned}$ | $\begin{aligned} & 77 \cdot 1 \\ & (77 \cdot 0 \text { to } 77 \cdot 2) \end{aligned}$ | $\begin{aligned} & 3470.0 \\ & (3440.0 \text { to } \\ & 3500.0) \end{aligned}$ | $\begin{gathered} 21.6 \\ (19 \cdot 7 \text { to } 23 \cdot 6) \end{gathered}$ | $\begin{aligned} & 493 \\ & (482 \text { to } 504) \end{aligned}$ | $\stackrel{\substack{528 \\(512 \text { to } 546)}}{ }$ | $\begin{aligned} & 1.59 \\ & (1.56 \text { to } 1.63) \end{aligned}$ |
| Southern Latin America | $\begin{aligned} & 8.5 \\ & (6.9 \text { to 10.4) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 4 \% \\ & (-4.4 \mathrm{to}-2 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08 \text { ) } \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.14 \mathrm{t} 0.14) \end{aligned}$ | $\begin{aligned} & 79 \cdot 9 \\ & (79.6 \text { to } 80 \cdot 1) \end{aligned}$ | $\begin{aligned} & 73.8 \\ & (73.5 \text { to } 74.1) \end{aligned}$ | $\begin{aligned} & 76 \cdot 8 \\ & (76 \cdot 6 \text { to } 77 \cdot 1) \end{aligned}$ | $\begin{gathered} 553.0 \\ (545 \cdot 0 \mathrm{to} 562.0) \end{gathered}$ | $\begin{gathered} 6.6 \\ (5 \cdot 4 \text { to } 8.1) \end{gathered}$ | $\stackrel{41}{(38 \text { to } 45)}$ | $\begin{gathered} 71 \\ (66 \text { to } 77) \end{gathered}$ | $\begin{aligned} & 0.88 \\ & (0.82 \text { to } 0.95) \end{aligned}$ |
| Argentina | $\begin{aligned} & 9.7 \\ & (7.7 \text { to 12.1) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 3 \% \\ & (-4 \cdot 4 \text { to }-2 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.14 \text { to } 0.15) \end{aligned}$ | $\begin{gathered} 79 \cdot 1 \\ (78 \cdot 8 \mathrm{to} 79.3) \end{gathered}$ | $\begin{aligned} & 73 \cdot 0 \\ & (72 \cdot 7 \text { to } 73.3) \end{aligned}$ | $\begin{aligned} & 76 \cdot 1 \\ & (75 \cdot 7 \text { to } 76 \cdot 3) \end{aligned}$ | $\begin{aligned} & 378.0 \\ & (372.0 \text { to } 386.0) \end{aligned}$ | $\begin{gathered} 5 \cdot 2 \\ (4 \cdot 1 \text { to } 6.5) \end{gathered}$ | $\begin{gathered} 30 \\ (27 \text { to } 32) \end{gathered}$ | $\begin{gathered} 44 \\ (40 \mathrm{to} 48) \end{gathered}$ | $\begin{aligned} & 0.85 \\ & (0.79 \text { to } 0.94) \end{aligned}$ |
| Chile | $\begin{aligned} & 5 \cdot 7 \\ & (4 \cdot 9+06 \cdot 4) \end{aligned}$ | $\begin{aligned} & -3.5 \% \\ & (-4.1 \text { to }-2.8) \\ & \left(\begin{array}{l} \end{array}\right) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.06 \text { to } 0.06) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.13 \text { to } 0.13) \end{aligned}$ | ${ }_{(81 \cdot 7 \text { to } 82 \cdot 1)}^{88 \cdot 9}$ | $\begin{aligned} & 76 \cdot 1 \\ & (76.0 \text { to } 76 \cdot 3) \end{aligned}$ | $\begin{aligned} & 79.0 \\ & \text { (78.9 to 79.2) } \end{aligned}$ | $\begin{gathered} 133.0 \\ (133 \cdot 0 \mathrm{to} \mathrm{t} \mathrm{135.0)} \end{gathered}$ | $\begin{gathered} 1.2 \\ (1.0 \text { to } 1.3) \end{gathered}$ | $\begin{gathered} 14 \\ (12 \text { to } 15) \end{gathered}$ | $\begin{gathered} 22 \\ (21 \text { to } 23) \end{gathered}$ | $\begin{aligned} & 1.03 \\ & (0.96 \text { to } 1.10) \end{aligned}$ |
| Uruguay | $\stackrel{6.8}{(5.508 .5)}$ | $\begin{aligned} & -4 \cdot 2 \% \\ & (-5 \cdot 3 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.08 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.17 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 79 \cdot 4 \\ & \text { (79.0 to 79.7) } \end{aligned}$ | $\begin{aligned} & 72.0 \\ & (71.6 \text { to } 72 \cdot 4) \end{aligned}$ | $\begin{aligned} & 75 \cdot 7 \\ & (75 \cdot 3 \text { to } 76 \cdot 0) \end{aligned}$ | $\begin{gathered} 40.5 \\ (39.7 \text { to } 41.4) \end{gathered}$ | $\begin{gathered} 0.2 \\ (0.2 \text { to } 0.3) \end{gathered}$ | $\begin{gathered} -2 \\ (-3 \text { to - } 2) \end{gathered}$ | $\begin{gathered} 5 \\ (5+06) \end{gathered}$ | $\begin{aligned} & 0.49 \\ & (0.38 \text { to } 0.59) \end{aligned}$ |
| Western Europe | $\begin{aligned} & 3.5 \\ & (3.2+0.8) \end{aligned}$ | $\begin{aligned} & -2 \cdot 4 \% \\ & (-2 \cdot 7 \mathrm{to}-2.0) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.04 \text { to } 0.04) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.08 \text { to } 0.08) \end{aligned}$ | $\begin{aligned} & 84 \cdot 2 \\ & (84 \cdot 1 \text { to } 84 \cdot 3) \end{aligned}$ | $\begin{aligned} & 79 \cdot 4 \\ & (79 \cdot 3 \text { to } 79 \cdot 4) \end{aligned}$ | $\begin{aligned} & 81 \cdot 8 \\ & (81 \cdot 7 \text { to } 81 \cdot 9) \end{aligned}$ | $\begin{aligned} & 4540.0 \\ & (4520.0 \text { to } \\ & 4560.0) \end{aligned}$ | $\begin{gathered} 143 \\ (13 \cdot 3 \mathrm{to} 15 \cdot 5) \end{gathered}$ | $\begin{aligned} & 432 \\ & (411 \text { to } 448) \end{aligned}$ | $\stackrel{291}{(271 \text { to } 311)}$ | $\begin{aligned} & 0.85 \\ & (0.80 \text { to } 0.89) \end{aligned}$ |
| Andorra | ${ }_{(0.8 \mathrm{to1.5})}^{1.2}$ | $\begin{aligned} & -5 \cdot 7 \% \\ & (-7 \cdot 4 \mathrm{to}-4 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.03 \text { to } 0.05) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.06 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 8.7 .7 \\ & (83.50 \text { to } 87.9) \end{aligned}$ | $\begin{aligned} & 80.7 \\ & (77 \cdot 9 \text { to } 83 \cdot 6) \end{aligned}$ | $\begin{aligned} & 83 \cdot 0 \\ & (80.5 \text { to } 85 \cdot 6) \end{aligned}$ | $\begin{gathered} 0.6 \\ (0.5 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0too) } \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0to } 0 \end{gathered}$ | $\begin{aligned} & 0.60 \\ & (-0.31 \text { to } 1.77) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  | (Table 1 contin | ves on next page) |



|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) |  |  | Excessmortality ratedue tocoviD-19,2020-21(deaths per1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate in 2021 <br> (deaths <br> per 1000) | $\begin{aligned} & \text { Annualised } \\ & \text { rateof } \\ & \text { change, } \\ & \text { 2000-21 } \end{aligned}$ | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Spain | $\begin{aligned} & 3.0 \\ & (2.703 \cdot 3) \end{aligned}$ | $\begin{aligned} & -2 \cdot 9 \% \\ & (-3 \cdot 3 \text { to }-2 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.04 \text { to } 0.04) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.08) \end{aligned}$ | $85 \cdot 7$ <br> (85.6 to $85 \cdot 8$ ) | $\begin{aligned} & 79.9 \\ & (79.8 \text { to } 80.0) \end{aligned}$ | $\begin{aligned} & 82.9 \\ & (82.8 \text { to } 82.9) \end{aligned}$ | $\begin{gathered} 445 \cdot 0 \\ (442.0 \text { to } 448 \cdot 0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9 \text { to } 1.1) \end{gathered}$ | $\begin{gathered} 72 \\ (69+074) \end{gathered}$ | $\stackrel{22}{(18 \text { to } 25)}$ | $\begin{aligned} & 1.03 \\ & (0.97 \mathrm{to} 1.09) \end{aligned}$ |
| Sweden | $\begin{aligned} & 2.3 \\ & (2.0 \text { to } 2.5) \end{aligned}$ | $\begin{aligned} & -2 \cdot 6 \% \\ & (-3 \cdot 2 \text { to }-2.0) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.03 \text { to } 0.04) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.05 \text { to } 0.06) \end{aligned}$ | $\begin{aligned} & 85 \cdot 0 \\ & (84 \cdot 1 \text { to } 85 \cdot 9) \end{aligned}$ | $\begin{aligned} & 82.0 \\ & (80 \cdot 9 \text { to } 83 \cdot 0) \end{aligned}$ | 83.5 <br> (82.8 to $84 \cdot 2$ ) | $\begin{gathered} 92 \cdot 0 \\ (86.0 \text { to } 98 \cdot 7) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.2 \text { to } 0.3) \end{gathered}$ | $\begin{gathered} 9 \\ (8 \text { to } 9) \end{gathered}$ | $\begin{gathered} 1 \\ (-1 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 0.50 \\ & (0.38 \text { to } 0.61) \end{aligned}$ |
| Switzerland | $\begin{aligned} & 3.7 \\ & (3.3 \text { to } 4.2) \end{aligned}$ | $\begin{aligned} & -2.4 \% \\ & (-3.0 \text { to }-1.7) \end{aligned}$ | $\begin{aligned} & 0.03 \\ & (0.03 \text { to } 0.03) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.05 \text { to } 0.05) \end{aligned}$ | $\begin{aligned} & 86 \cdot 4 \\ & (86 \cdot 2 \text { to } 86 \cdot 6) \end{aligned}$ | $82 \cdot 5$ <br> (82.3 to 82.7) | $\begin{aligned} & 84 \cdot 5 \\ & (84 \cdot 3 \text { to } 84.7) \end{aligned}$ | $\begin{gathered} 69.7 \\ (68.7 \text { to } 70.7) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 9 \\ (8 \text { to } 9) \end{gathered}$ | $\begin{gathered} 3 \\ (2 \text { 2to4) } \end{gathered}$ | $\begin{aligned} & 0.69 \\ & (0.61 \text { to } 0.76) \end{aligned}$ |
| uk | $\begin{aligned} & 4.2 \\ & (3.8 \text { to } 4.6) \end{aligned}$ | $\begin{aligned} & -2 \cdot 3 \% \\ & (-2.9 \text { to }-1.7) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.06 \text { to } 0.06) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.10 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 82 \cdot 4 \\ & (82 \cdot 3 \text { to } 82 \cdot 5) \end{aligned}$ | $\begin{aligned} & 78.2 \\ & (78 \cdot 1 \mathrm{to} 78 \cdot 3) \end{aligned}$ | $\begin{aligned} & 80 \cdot 3 \\ & (80 \cdot 2 \text { to } 80 \cdot 3) \end{aligned}$ | $\begin{aligned} & 686 \cdot 0 \\ & \text { (683.0 to 690.0) } \end{aligned}$ | $\begin{gathered} 2.9 \\ (2.6 \text { to } 3.2) \end{gathered}$ | $\begin{gathered} 82 \\ (80 \text { to } 85) \end{gathered}$ | $\begin{gathered} 55 \\ (51 \text { to } 58) \end{gathered}$ | $\begin{aligned} & 1.02 \\ & (0.99 \text { to } 1.06) \end{aligned}$ |
| Latin America and Caribbean | $\begin{aligned} & 16.5 \\ & (13 \cdot 4 \text { to } 20.2) \end{aligned}$ | $\begin{aligned} & -3 \cdot 5 \% \\ & (-4.5 \text { to }-2 \cdot 5) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.12 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.22 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 75 \cdot 9 \\ & (75 \cdot 2 \text { to } 76 \cdot 6) \end{aligned}$ | $\begin{aligned} & 68 \cdot 9 \\ & (68 \cdot 1 \text { to } 69 \cdot 7) \end{aligned}$ | $\begin{aligned} & 72 \cdot 3 \\ & (71 \cdot 5 \text { to } 73 \cdot 0) \end{aligned}$ | $\begin{aligned} & 4980.0 \\ & (4770.0 \text { to } \\ & 5200.0 \text { ) } \end{aligned}$ | 155.0 (125.0 to 190.0) | $\begin{aligned} & 922 \\ & (847 \text { to } \\ & 1010) \end{aligned}$ | 1390 <br> ( 1280 to 1520 ) | $\begin{aligned} & 1.99 \\ & (1.85 \text { to } 2.15) \end{aligned}$ |
| Andean Latin <br> America | $\begin{aligned} & 16 \cdot 7 \\ & (13 \cdot 1 \text { to } 20.8) \end{aligned}$ | $\begin{aligned} & -4.8 \% \\ & (-6.0 \text { to }-3.6) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.20 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 743 \\ & (72 \cdot 9+775 \cdot 5) \end{aligned}$ | 68.3 <br> (66.9 to 69.6) | $\begin{aligned} & 71 \cdot 1 \\ & (69 \cdot 8 \text { to } 72 \cdot 4) \end{aligned}$ | $\begin{gathered} 565 \cdot 0 \\ (514.0 \text { to } 621.0) \end{gathered}$ | $\begin{gathered} 20.6 \\ (16 \cdot 2 \text { to } 25 \cdot 7) \end{gathered}$ | $\begin{aligned} & 220 \\ & \text { (209 to 231) } \end{aligned}$ | $\begin{aligned} & 246 \\ & (233 \text { to 258) } \end{aligned}$ | $\begin{aligned} & 3.79 \\ & (3.59 \text { to } 3.97) \end{aligned}$ |
| Boliva | $\begin{aligned} & 27 \cdot 9 \\ & (23 \cdot 5 \text { to } 32 \cdot 7) \end{aligned}$ | $\begin{aligned} & -4.5 \% \\ & (-5 \cdot 4 \text { to -3.6) } \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.16 \text { to } 0.22) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.25 \text { to } 0.32) \end{aligned}$ | 68.8 (66.7 to 70.5) | $\begin{aligned} & 63.8 \\ & (61.9 \text { to } 65 \cdot 6) \end{aligned}$ | 66.2 (64.1 to 67.9) | $\begin{aligned} & 121.0 \\ & (106 \cdot 0 \text { to } 140 \cdot 0) \end{aligned}$ | $\begin{gathered} 6.8 \\ \text { (5.7 to } 8.0) \end{gathered}$ | $\stackrel{40}{(33 \text { to } 46)}$ | $\begin{gathered} 53 \\ (46 \text { to } 59) \end{gathered}$ | $\begin{aligned} & 4 \cdot 19 \\ & (3.58 \text { to } 4.72 \text { ) } \end{aligned}$ |
| Ecuador | $\begin{aligned} & (13.7 \\ & (1.5 \text { to } 17.9) \end{aligned}$ | $\begin{aligned} & -4 \cdot 3 \% \\ & (-5.7 \mathrm{to}-2.9) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.12) \\ & \hline(0) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.16 \text { to } 0.22) \end{aligned}$ | $\underset{(75 \cdot 5 \mathrm{to} 78.7)}{77.1}$ | $\begin{aligned} & \text { (61.0.0 to 73.1) } \\ & \left.{ }_{(6)}\right) \end{aligned}$ | $\begin{aligned} & 74 \cdot 0 \\ & (72 \cdot 1 \mathrm{to} 75 \cdot 7) \end{aligned}$ | $\begin{aligned} & 124.0 \\ & (107 \cdot 0 \mathrm{oto143.0}) \end{aligned}$ | $\begin{gathered} 4.4 \\ (3.405 \cdot 8) \end{gathered}$ | $\begin{gathered} 50 \\ (43 \text { to } 58) \end{gathered}$ | $\begin{gathered} 38 \\ (28 \text { to } 46) \end{gathered}$ | $\begin{aligned} & 2.58 \\ & (2.10 \text { to } 3.02) \end{aligned}$ |
| Peru | $\begin{aligned} & { }_{(9.50 .50}^{149 \cdot 1)} \end{aligned}$ | $\begin{aligned} & -5.2 \% \\ & (-7.0 \text { to }-3.6) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.11 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.19 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 74 \cdot 9 \\ & (73 \cdot 4 \text { to } 76 \cdot 3) \end{aligned}$ | 68.8 <br> (67.3 to 70.1) | $\begin{aligned} & 71 \cdot 6 \\ & (70 \cdot 2 \text { to } 73 \cdot 0) \end{aligned}$ | $\begin{gathered} 320.0 \\ (289 \cdot 0 \text { to } 357.0) \end{gathered}$ | $\begin{gathered} 9.4 \\ (6.4 \text { to 12.8) } \end{gathered}$ | ${ }_{(120}^{130} \text { to 131) }$ | $\stackrel{155}{\left(154 \text { to 156) }^{( }\right)}$ | $\begin{aligned} & 4 \cdot 27 \\ & (4 \cdot 24 \text { to } 4 \cdot 30) \end{aligned}$ |
| Caribbean | $\begin{aligned} & 40.8 \\ & (33.9 \text { to 48.8) } \end{aligned}$ | $\begin{aligned} & -1 \cdot 1 \% \\ & (-2.0 \text { to }-0.3) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.13 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.20 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 72.5 \\ & (70 \cdot 7 \mathrm{to} 74 \cdot 1) \end{aligned}$ | 66.9 (64.9 to 68.7) | $\begin{aligned} & 69 \cdot 6 \\ & (67.7 \text { to } 71 \cdot 3) \end{aligned}$ | $\begin{aligned} & 488.0 \\ & (440.0 \text { to } 541.0) \end{aligned}$ | $\begin{gathered} 32.5 \\ (26.9 \text { to } 39.0) \end{gathered}$ | $\begin{gathered} 21 \\ (-7 \mathrm{to} 48) \end{gathered}$ | $\begin{aligned} & 107 \\ & (60 \text { to 155 }) \end{aligned}$ | $\begin{aligned} & 1.48 \\ & (0.60 \text { to } 2.32) \end{aligned}$ |
| Antigua and <br> Barbuda | $\begin{aligned} & 9 \cdot 3 \\ & (8.0 \text { to 10.7) } \end{aligned}$ | $\begin{aligned} & -1.9 \% \\ & (-2.8 \mathrm{to}-0.8) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.09 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.13 \text { to } 0.14) \end{aligned}$ | $\underset{(77 \cdot 7 \text { to } 77 \cdot 3)}{7}$ | $\begin{aligned} & 73 \cdot 0 \\ & (72 \cdot 7 \mathrm{to} \mathrm{73:3)} \end{aligned}$ | $\begin{aligned} & 75 \cdot 0 \\ & (74 \cdot 8 \text { to } 75 \cdot 1) \end{aligned}$ | $\begin{gathered} 0.7 \\ (0.750 .7) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0too) } \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0to o } 0 \end{gathered}$ | $\begin{aligned} & -0.12 \\ & (-0.55 \text { to } 0.28) \end{aligned}$ |
| The Bahamas | $\begin{aligned} & 10.2 \\ & (7.8 \text { to } 13.5) \end{aligned}$ | $\begin{aligned} & -2.2 \% \\ & (-3.5 t 0-0.6) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.14 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.25 \text { to } 0.33) \end{aligned}$ | $\begin{aligned} & 73 \cdot 6 \\ & (71 \cdot 7 \text { to } 75 \cdot 4) \end{aligned}$ | 66.1 <br> (63.7 to 68.2) | $\begin{aligned} & 69.8 \\ & (67.5 \text { to } 71.8) \end{aligned}$ | $\begin{gathered} 3.8 \\ (3.3 \text { to } 4.4) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 1 \\ \text { (0to1) } \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to1) } \end{gathered}$ | $\begin{aligned} & 2.33 \\ & (1.56 \text { to } 2.88) \end{aligned}$ |
| Barbados | $\begin{aligned} & 11 \cdot 7 \\ & (8.2 \text { to 16.3) } \end{aligned}$ | $\begin{aligned} & -1.1 \% \\ & (-2.6 \text { to } 0.5) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.08 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.11 \text { to } 0.17) \end{aligned}$ | $\underset{(775 \cdot 5079 \cdot 7)}{77.6}$ | $\begin{aligned} & 74.4 \\ & (71.8 \text { to } 76.8) \end{aligned}$ | $\begin{aligned} & 76 \cdot 0 \\ & (73 \cdot 7 \text { to } 78 \cdot 3) \end{aligned}$ | $\begin{gathered} 3.3 \\ (2.8 \text { to } 3 \cdot 9) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1+0.1) \end{gathered}$ | $\begin{gathered} 0 \\ (-1 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0 \text { ) } \end{gathered}$ | $\begin{aligned} & -1.03 \\ & \begin{array}{l} (-1.86 \text { to } \\ -0.23) \end{array} \end{aligned}$ |
| Belize | $14 \cdot 4$ <br> (11.9 to 17.5) | $\begin{aligned} & -3 \cdot 5 \% \\ & (-4 \cdot 5 \text { to }-2 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.12 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.19 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 76 \cdot 1 \\ & (74 \cdot 9 \text { to } 77 \cdot 3) \end{aligned}$ | $\begin{aligned} & 70 \cdot 5 \\ & (69.0 \text { to } 72 \cdot 3) \end{aligned}$ | $\begin{aligned} & 73 \cdot 2 \\ & (71 \cdot 8 \mathrm{to} 74 \cdot 7) \end{aligned}$ | $\begin{gathered} 2 \cdot 3 \\ (2.1 \text { to } 2 \cdot 6) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0too }) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0to1) } \end{gathered}$ | $\begin{aligned} & 0.72 \\ & (0.46 \text { to } 0.96) \end{aligned}$ |
| Bermuda | $\begin{aligned} & 3.8 \\ & (3.2 \text { to } 4.5) \end{aligned}$ | $\begin{aligned} & -1.9 \% \\ & (-3.0 \text { to }-0.7) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.05 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.14) \end{aligned}$ | $83 \cdot 3$ <br> (81.5 to 84.7) | $\begin{aligned} & 75 \cdot 6 \\ & (73 \cdot 9 \text { to } 77 \cdot 1) \end{aligned}$ | $\begin{aligned} & 79.3 \\ & (77.5 \text { to } 80.8) \end{aligned}$ | $\begin{gathered} 0.7 \\ (0.7 \text { to } 0.9) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.4+50.5 \end{gathered}$ | $\begin{gathered} 0 \\ \text { (otoo) } \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0to o) } \end{gathered}$ | $\begin{aligned} & 1.23 \\ & (0.53 \text { to } 1.90) \end{aligned}$ |
| Cuba | ${ }_{(3.9605 \cdot 3)}^{4.6}$ | $\begin{aligned} & -3 \cdot 0 \% \\ & (-3 \cdot 7 \mathrm{to}-2 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.17 \text { to } 0.20) \end{aligned}$ | $\begin{aligned} & 77 \cdot 3 \\ & (76 \cdot 3 \text { to } 78 \cdot 3) \end{aligned}$ | $\begin{aligned} & 70 \cdot 9 \\ & (69 \cdot 9 \text { to } 72 \cdot 1) \end{aligned}$ | $\begin{aligned} & 73 \cdot 9 \\ & (73.0 \text { to } 74 \cdot 9) \end{aligned}$ | $\begin{gathered} 165.0 \\ \text { (151.0 to 178.0) } \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.000000 \end{gathered}$ | $\begin{gathered} 1 \\ (-4 \text { to }) \end{gathered}$ | $\begin{gathered} 55 \\ (45 \text { to } 65) \end{gathered}$ | $\begin{aligned} & 2.65 \\ & (1.96 \text { to } 3.40) \end{aligned}$ |
| Dominica | $\underset{(20 \cdot 2 t 037 \cdot 1)}{27 \cdot 6}$ | $\begin{aligned} & 1.8 \% \\ & (0.1 \text { to } 0.3) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.10 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.17 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 73.3 \\ & (70.8 \text { to } 75.5) \end{aligned}$ | $\begin{aligned} & 67 \cdot 4 \\ & (64 \cdot 4 \text { to } 70.3) \end{aligned}$ | $\begin{aligned} & 70.2 \\ & (67 \cdot 4 \text { to } 72.7) \end{aligned}$ | $\begin{gathered} 0.8 \\ (0.6 \text { to } 1.0) \end{gathered}$ | $\begin{gathered} 5 \cdot 3 \\ (4.3 \text { to } 6.4) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0 to o }) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0to o } \end{gathered}$ | $\begin{aligned} & 1.24 \\ & (0.44 \text { to } 2.38) \end{aligned}$ |
| Republic | $\begin{aligned} & 24 \cdot 9 \\ & (20.2 \text { to } 30 \cdot 1) \end{aligned}$ | $\begin{aligned} & -2 \cdot 4 \% \\ & (-3 \cdot 4 \text { to }-1 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.20 \\ & (0.17 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 77.3 \\ & (75 \cdot 5 \text { to } 78.9) \end{aligned}$ | $\begin{aligned} & 70.5 \\ & \text { ( } 68.3 \text { to } 72 \cdot 5 \text { ) } \end{aligned}$ | $\begin{aligned} & 73.7 \\ & (71.8 \text { to } 75 \cdot 5) \end{aligned}$ | $\begin{gathered} 73.0 \\ (64.1 \text { to } 82 \cdot 9) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 1 \\ (-10 \text { to 13 } \end{gathered}$ | $\stackrel{9}{(-5 t o 20)}$ | $\begin{aligned} & 0.48 \\ & (-0.62 \text { to } 1.53) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  | (Table 1 continues on next page) |  |



|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) | Excess <br> deaths due <br> to COVID-19 <br> in 2020 <br> (thousands) | Excess deaths due to COVID-19 in 2021 <br> (thousands) | Excess <br> mortality rate <br> due to <br> COVID-19, <br> 2020-21 <br> (deaths per <br> 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate in 2021 <br> (deaths <br> per 1000) | Annualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Nicaragua | $\begin{aligned} & 13.8 \\ & (10.3 \text { to } 18.0) \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-6.0 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.10 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.19 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 76 \cdot 8 \\ & (75 \cdot 6 \text { to } 77 \cdot 9) \end{aligned}$ | $\begin{aligned} & 69 \cdot 9 \\ & (68.5 \text { to } 71 \cdot 2) \end{aligned}$ | $\begin{aligned} & 73 \cdot 3 \\ & (72 \cdot 0 \text { to } 74 \cdot 4) \end{aligned}$ | $\begin{gathered} 38 \cdot 3 \\ \text { (35.0 to } 42 \cdot 2 \text { ) } \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.3 \text { to } 2 \cdot 3) \end{gathered}$ | $\begin{gathered} 14 \\ (12 \text { to } 15) \end{gathered}$ | $\begin{gathered} 16 \\ (14 \text { to } 18) \end{gathered}$ | $\begin{aligned} & 2.21 \\ & \text { (1.99 to } 2.42 \text { ) } \end{aligned}$ |
| Panama | $\begin{aligned} & 14.1 \\ & (11.0 \text { to 17.8) } \end{aligned}$ | $\begin{aligned} & -2 \cdot 3 \% \\ & (-3 \cdot 5 \text { to }-1 \cdot 0) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.06 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.11 \text { to } 0.16) \end{aligned}$ | $\begin{aligned} & 81 \cdot 4 \\ & (79 \cdot 5 \text { to } 83 \cdot 5) \end{aligned}$ | $\begin{aligned} & 75 \cdot 5 \\ & (73 \cdot 1 \text { to } 78 \cdot 2) \end{aligned}$ | $\begin{aligned} & 78 \cdot 3 \\ & (76.2 \text { to } 80.8) \end{aligned}$ | $\begin{gathered} 23.9 \\ (19.7 \text { to } 27.9) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.8 \text { to } 1.3) \end{gathered}$ | $\begin{gathered} 3 \\ (1 \text { to } 4) \end{gathered}$ | $\begin{gathered} 3 \\ (1 \text { to } 5) \end{gathered}$ | $\begin{aligned} & 0.81 \\ & (0.33 \text { to } 1.20) \end{aligned}$ |
| Venezuela | $\begin{aligned} & 19.7 \\ & (14.8 \text { to } 25.8) \end{aligned}$ | $\begin{aligned} & -0.8 \% \\ & (-2.2 \text { to 0.5) } \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.16) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.23 \text { to } 0.32) \end{aligned}$ | $\begin{aligned} & 74 \cdot 6 \\ & (72 \cdot 3 \text { to } 76 \cdot 9) \end{aligned}$ | $\begin{aligned} & 65 \cdot 1 \\ & (62 \cdot 2 \text { to } 68 \cdot 1) \end{aligned}$ | 69.7 <br> (67.0 to $72 \cdot 3$ ) | $\begin{gathered} 276.0 \\ \text { (231.0 to 326.0) } \end{gathered}$ | $\begin{gathered} 8.9 \\ \text { (6.6 to 11.6) } \end{gathered}$ | $\begin{gathered} 58 \\ \text { (52 to 64) } \end{gathered}$ | $\begin{gathered} 77 \\ (68 \text { to } 87) \end{gathered}$ | $\begin{aligned} & 2.22 \\ & (2.00 \text { to } 2 \cdot 43) \end{aligned}$ |
| Tropical Latin America | $\begin{aligned} & 12.0 \\ & (9.9 \text { to } 14 \cdot 6) \end{aligned}$ | $\begin{aligned} & -4 \cdot 8 \% \\ & (-5 \cdot 9 \text { to }-3.7) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.12 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.22 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 77 \cdot 3 \\ & (77 \cdot 1 \text { to } 77 \cdot 6) \end{aligned}$ | $\begin{aligned} & 70 \cdot 2 \\ & (69 \cdot 9 \text { to } 70 \cdot 4) \end{aligned}$ | $\begin{aligned} & 73 \cdot 7 \\ & (73 \cdot 4 \text { to } 73 \cdot 9) \end{aligned}$ | $\begin{aligned} & 1850.0 \\ & (1830.0 \text { to } \\ & 1870.0) \end{aligned}$ | $\begin{gathered} 41 \cdot 4 \\ (33 \cdot 8 \text { to } 50 \cdot 3) \end{gathered}$ | $\begin{aligned} & 184 \\ & (170 \text { to 197) } \end{aligned}$ | $\begin{aligned} & 426 \\ & (408 \text { to } 444) \end{aligned}$ | $\begin{aligned} & 1.35 \\ & (1.29 \text { to } 1.41) \end{aligned}$ |
| Brazil | $\begin{aligned} & 11 \cdot 9 \\ & (9 \cdot 8 \text { to } 14 \cdot 4) \end{aligned}$ | $\begin{aligned} & -4 \cdot 9 \% \\ & (-6.0 \text { to }-3 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.12 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.22 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 77 \cdot 4 \\ & (77 \cdot 2 \text { to } 77 \cdot 6) \end{aligned}$ | $\begin{aligned} & 70 \cdot 2 \\ & (69 \cdot 9 \text { to } 70 \cdot 4) \end{aligned}$ | $\begin{aligned} & 73 \cdot 7 \\ & (73 \cdot 5 \text { to } 73 \cdot 9) \end{aligned}$ | $\begin{aligned} & 1800 \cdot 0 \\ & (1780 \cdot 0 \text { to } \\ & 1810 \cdot 0) \end{aligned}$ | $\begin{gathered} 39 \cdot 5 \\ (32 \cdot 4 \text { to } 47.8) \end{gathered}$ | $\begin{aligned} & 183 \\ & (169 \text { to 197) } \end{aligned}$ | $\begin{aligned} & 411 \\ & \text { (393 to 429) } \end{aligned}$ | $\begin{aligned} & 1.36 \\ & (1.29 \text { to } 1.42) \end{aligned}$ |
| Paraguay | $\begin{aligned} & 14.7 \\ & (10 \cdot 5 \text { to } 19 \cdot 6) \end{aligned}$ | $\begin{aligned} & -3.0 \% \\ & (-4.5 \text { to }-1.5) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.10 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.18 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 75 \cdot 9 \\ & \text { (73.8 to 77•6) } \end{aligned}$ | $\begin{aligned} & 69 \cdot 0 \\ & (66 \cdot 5 \text { to } 71 \cdot 1) \end{aligned}$ | $\begin{aligned} & 72 \cdot 2 \\ & (69 \cdot 9 \text { to } 74 \cdot 2) \end{aligned}$ | $\begin{gathered} 50 \cdot 7 \\ (43 \cdot 7 \text { to } 59 \cdot 3) \end{gathered}$ | $\begin{gathered} 1.9 \\ (1.4 \text { to } 2.5) \end{gathered}$ | $\begin{gathered} 1 \\ (0 \text { to } 1) \end{gathered}$ | $\begin{gathered} 15 \\ (14 \text { to } 16) \end{gathered}$ | $\begin{aligned} & 1.11 \\ & \text { (1.04 to } 1.18 \text { ) } \end{aligned}$ |
| North Africa and Middle East | $\begin{aligned} & 20 \cdot 2 \\ & (17 \cdot 4 \text { to } 23 \cdot 3) \end{aligned}$ | $\begin{aligned} & -4 \cdot 8 \% \\ & (-5 \cdot 5 \text { to }-4 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.11 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.18 \text { to } 0.21) \end{aligned}$ | $\begin{aligned} & 73 \cdot 7 \\ & (72 \cdot 6 \text { to } 74 \cdot 7) \end{aligned}$ | $\begin{aligned} & 68.9 \\ & \text { (67.8 to } 70.1 \text { ) } \end{aligned}$ | $\begin{aligned} & 71 \cdot 1 \\ & \text { (70.0 to } 72 \cdot 2 \text { ) } \end{aligned}$ | $\begin{aligned} & 4050.0 \\ & (3730.0 \text { to } \end{aligned}$ $4390.0)$ | $\begin{aligned} & 243.0 \\ & (208.0 \text { to } 280.0) \end{aligned}$ | $\begin{aligned} & 679 \\ & \text { (583to } 753 \text { ) } \end{aligned}$ | $\begin{aligned} & 934 \\ & \text { (797 to 1060) } \end{aligned}$ | $\begin{aligned} & 1.33 \\ & \text { (1.14 to } 1.49) \end{aligned}$ |
| Afghanistan | $\begin{aligned} & 48 \cdot 7 \\ & (40.5 \text { to } 58 \cdot 4) \end{aligned}$ | $\begin{aligned} & -4.7 \% \\ & (-5.7 \text { to }-3.8) \end{aligned}$ | $\begin{aligned} & 0.33 \\ & (0.27 \text { to } 0.39) \end{aligned}$ | $\begin{aligned} & 0.42 \\ & (0.37 \text { to } 0.47) \end{aligned}$ | $\begin{aligned} & 60.7 \\ & (58.5 \text { to } 62.8) \end{aligned}$ | $\begin{aligned} & 55.9 \\ & (54.0 \text { to } 57.9) \end{aligned}$ | $\begin{aligned} & 58 \cdot 2 \\ & (56 \cdot 3 \text { to } 60 \cdot 3) \end{aligned}$ | $\begin{gathered} 272.0 \\ (241 \cdot 0 \text { to } 305 \cdot 0) \end{gathered}$ | $\begin{gathered} 58.0 \\ (48 \cdot 1 \text { to } 69.8) \end{gathered}$ | $\begin{gathered} 43 \\ \text { (32 to 57) } \end{gathered}$ | $\begin{gathered} 50 \\ (40 \text { to } 59) \end{gathered}$ | $\begin{aligned} & 1.01 \\ & (0.78 \text { to } 1.24) \end{aligned}$ |
| Algeria | $\begin{aligned} & 16 \cdot 9 \\ & (13 \cdot 4 \text { to } 21 \cdot 0) \end{aligned}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-5 \cdot 4 \text { to }-2 \cdot 9) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.09 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.13 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 75 \cdot 4 \\ & (74 \cdot 3 \text { to } 76 \cdot 4) \end{aligned}$ | $\begin{aligned} & 72.1 \\ & (70.6 \text { to } 73.6) \end{aligned}$ | $\begin{aligned} & 73 \cdot 6 \\ & (72 \cdot 3 \text { to } 74 \cdot 9) \end{aligned}$ | $\begin{aligned} & 273 \cdot 0 \\ & (243.0 \text { to } 306.0) \end{aligned}$ | $\begin{gathered} 15 \cdot 5 \\ \text { (12.2 to 19.3) } \end{gathered}$ | $\begin{gathered} 53 \\ \text { (51 to 54) } \end{gathered}$ | $\begin{gathered} 79 \\ (62 \text { to } 95) \end{gathered}$ | $\begin{aligned} & 1.56 \\ & (1.35 \text { to } 1.75) \end{aligned}$ |
| Bahrain | $\begin{aligned} & 5 \cdot 7 \\ & (4.8 \text { to } 6 \cdot 7) \end{aligned}$ | $\begin{aligned} & -3 \cdot 5 \% \\ & (-4 \cdot 4 \text { to }-2 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.08 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 75 \cdot 1 \\ & (74 \cdot 1 \text { to } 76 \cdot 0) \end{aligned}$ | $\begin{aligned} & 72 \cdot 2 \\ & \text { (71.1 to } 73 \cdot 3 \text { ) } \end{aligned}$ | $\begin{aligned} & 73 \cdot 3 \\ & (72 \cdot 3 \text { to } 74 \cdot 4) \end{aligned}$ | $\begin{gathered} 6.3 \\ (5.6 \text { to } 7.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 1 \\ \text { (1to1) } \end{gathered}$ | $\begin{gathered} 2 \\ (1 \text { to } 2) \end{gathered}$ | $\begin{aligned} & 0.91 \\ & (0.75 \text { to } 1.03) \end{aligned}$ |
| Egypt | $\begin{aligned} & 12 \cdot 8 \\ & (10.5 \text { to } 15 \cdot 7) \end{aligned}$ | $\begin{aligned} & -6 \cdot 0 \% \\ & (-7 \cdot 1 \text { to }-4 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.12 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.20 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 70.2 \\ & (68.7 \text { to } 71.6) \end{aligned}$ | $\begin{aligned} & 66.9 \\ & (65 \cdot 0 \text { to } 68 \cdot 7) \end{aligned}$ | $\begin{aligned} & 68.4 \\ & (66.7 \text { to } 70.0) \end{aligned}$ | $\begin{gathered} 712.0 \\ \text { (612.0 to 823.0) } \end{gathered}$ | $\begin{gathered} 33 \cdot 1 \\ (27 \cdot 1 \text { to } 40 \cdot 7) \end{gathered}$ | $\begin{gathered} 89 \\ \text { (58 to 121) } \end{gathered}$ | $\begin{aligned} & 152 \\ & (98 \text { to 196) } \end{aligned}$ | $\begin{aligned} & 1.20 \\ & (0.81 \text { to } 1.55) \end{aligned}$ |
| Iran | $\begin{aligned} & 5 \cdot 3 \\ & (4 \cdot 4 \text { to } 6 \cdot 2) \end{aligned}$ | $\begin{aligned} & -9 \cdot 7 \% \\ & (-10.7 \mathrm{to} \\ & -8.6) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.08 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.16 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 77.2 \\ & (76 \cdot 8 \text { to } 77 \cdot 6) \end{aligned}$ | $\begin{aligned} & 71 \cdot 9 \\ & (71 \cdot 5 \text { to } 72 \cdot 3) \end{aligned}$ | $\begin{aligned} & 74 \cdot 4 \\ & (74 \cdot 1 \text { to } 74 \cdot 6) \end{aligned}$ | $\begin{aligned} & 569.0 \\ & \text { (556.0 to 582.0) } \end{aligned}$ | $\begin{gathered} 5 \cdot 6 \\ (4.7 \text { to } 6.7) \end{gathered}$ | $\begin{aligned} & 158 \\ & \text { (153 to 162) } \end{aligned}$ | $\begin{aligned} & 205 \\ & \text { (198 to 210) } \end{aligned}$ | $\begin{aligned} & 2.12 \\ & (2.07 \text { to } 2.16) \end{aligned}$ |
| Iraq | $\begin{aligned} & 18.8 \\ & \text { (14.8 to 23.7) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 3 \% \\ & (-5 \cdot 4 \text { to }-3 \cdot 0) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.10 \text { to } 0.16) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.17 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 73 \cdot 5 \\ & (71 \cdot 6 \text { to } 75 \cdot 4) \end{aligned}$ | $\begin{aligned} & 67.5 \\ & (65.6 \text { to } 70.0) \end{aligned}$ | $\begin{aligned} & 70 \cdot 2 \\ & (68 \cdot 3 \text { to } 72 \cdot 5) \end{aligned}$ | $\begin{gathered} 233.0 \\ (193.0 \text { to 269.0) } \end{gathered}$ | $\begin{gathered} 15 \cdot 7 \\ (12 \cdot 4 \text { to 19.9) } \end{gathered}$ | $\begin{gathered} 60 \\ \text { (50 to 70) } \end{gathered}$ | $\begin{gathered} 50 \\ \text { (35to } 62 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.65 \\ & (1.33 \text { to } 1.94) \end{aligned}$ |
| Jordan | $\begin{aligned} & 11 \cdot 5 \\ & (9 \cdot 4 \text { to 14.1) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 9 \% \\ & (-4 \cdot 9 \text { to }-2.8) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 77.6 \\ & (76 \cdot 1 \text { to } 78 \cdot 9) \end{aligned}$ | $\begin{aligned} & 74 \cdot 1 \\ & (72 \cdot 4 \text { to } 75 \cdot 9) \end{aligned}$ | $\begin{aligned} & 75 \cdot 7 \\ & (74 \cdot 1 \text { to } 77 \cdot 3) \end{aligned}$ | $\begin{gathered} 45 \cdot 5 \\ (39 \cdot 2 \text { to } 52 \cdot 3) \end{gathered}$ | $\begin{gathered} 2.5 \\ (2.0 \text { to } 3.0) \end{gathered}$ | $\begin{gathered} 9 \\ (6 \text { to 11) } \end{gathered}$ | $\begin{gathered} 15 \\ (11 \text { to } 18) \end{gathered}$ | $\begin{aligned} & 1.01 \\ & (0.70 \text { to } 1.22) \end{aligned}$ |
| Kuwait | $\begin{aligned} & 8.1 \\ & (6.6 \text { to } 9.7) \end{aligned}$ | $\begin{aligned} & -1 \cdot 7 \% \\ & (-2.6 \text { to }-0.7) \end{aligned}$ | $\begin{aligned} & 0.04 \\ & (0.03 \text { to } 0.04) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.07 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 85 \cdot 1 \\ & (84.0 \text { to } 86 \cdot 2) \end{aligned}$ | $\begin{aligned} & 78.1 \\ & (76.3 \text { to } 80.0) \end{aligned}$ | $\begin{aligned} & 80 \cdot 7 \\ & (79 \cdot 2 \text { to } 82 \cdot 3) \end{aligned}$ | $\begin{gathered} 12 \cdot 1 \\ \text { (10.4 to 13.9) } \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 2 \\ \text { (2 to 3) } \end{gathered}$ | $\begin{gathered} 2 \\ (1 \mathrm{to} 3) \end{gathered}$ | $\begin{aligned} & 0.48 \\ & (0.32 \text { to } 0.62) \end{aligned}$ |
| Lebanon | $\begin{aligned} & \begin{array}{l} 7.7 \\ \text { (5.4 to 10.9) } \end{array} \end{aligned}$ | $\begin{aligned} & -4 \cdot 9 \% \\ & (-6.5 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.14 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 78 \cdot 4 \\ & (77 \cdot 4 \text { to } 79 \cdot 3) \end{aligned}$ | $\begin{aligned} & 72 \cdot 2 \\ & (70 \cdot 9 \text { to } 73 \cdot 3) \end{aligned}$ | $\begin{aligned} & 75 \cdot 2 \\ & (74 \cdot 0 \text { to } 76 \cdot 2) \end{aligned}$ | $\begin{gathered} 49.6 \\ (45.6 \text { to } 54.6) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.4 \text { to } 0.9) \end{gathered}$ | $\begin{gathered} 8 \\ (7 \text { to } 9) \end{gathered}$ | $\begin{gathered} 18 \\ (16 \text { to 19) } \end{gathered}$ | $\begin{aligned} & 2.86 \\ & (2.59 \text { to } 3.17) \end{aligned}$ |
| Libya | $\begin{aligned} & 21 \cdot 6 \\ & (16 \cdot 9 \text { to } 27 \cdot 0) \end{aligned}$ | $\begin{aligned} & -0.7 \% \\ & (-1.9 \text { to 0.5) } \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.16) \end{aligned}$ | $\begin{aligned} & 0.20 \\ & (0.17 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 73 \cdot 4 \\ & \text { (70.9 to } 75 \cdot 4 \text { ) } \end{aligned}$ | $\begin{aligned} & 68 \cdot 7 \\ & (66 \cdot 0 \text { to } 71 \cdot 1) \end{aligned}$ | $\begin{aligned} & 70.8 \\ & (68.2 \text { to } 73 \cdot 1) \end{aligned}$ | $\begin{gathered} 46 \cdot 3 \\ \text { (38.9 to } 55 \cdot 7 \text { ) } \end{gathered}$ | $\begin{gathered} 1.8 \\ (1.4 \text { to } 2.2) \end{gathered}$ | $\begin{gathered} 6 \\ (5 \text { to } 7) \end{gathered}$ | $\begin{gathered} 10 \\ \text { (8 to 12) } \end{gathered}$ | $\begin{aligned} & 1.24 \\ & (0.99 \text { to } 1 \cdot 48) \end{aligned}$ |
| Morocco | $\begin{aligned} & 14 \cdot 8 \\ & (12 \cdot 1 \text { to } 17 \cdot 8) \end{aligned}$ | $\begin{aligned} & -5.9 \% \\ & (-6.9 \text { to }-4 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.10 \text { to } 0.16) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.13 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 73 \cdot 9 \\ & (72 \cdot 2 \text { to } 75 \cdot 8) \end{aligned}$ | $\begin{aligned} & 70 \cdot 9 \\ & (69 \cdot 4 \text { to } 72 \cdot 9) \end{aligned}$ | $\begin{aligned} & 72 \cdot 3 \\ & (70 \cdot 7 \text { to } 74 \cdot 3) \end{aligned}$ | $\begin{aligned} & 286.0 \\ & \text { (241.0 to 318.0) } \end{aligned}$ | $\begin{gathered} 9 \cdot 5 \\ (7 \cdot 7 \text { to } 11 \cdot 4) \end{gathered}$ | $\begin{gathered} 52 \\ (41 \text { to } 62) \end{gathered}$ | $\begin{gathered} 46 \\ \text { (36 to 57) } \end{gathered}$ | $\begin{aligned} & 1 \cdot 41 \\ & (1.15 \text { to } 1.68) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  | (Table 1 continues on next page) |  |


|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 (thousands) | Total deaths among children younger than 5 years in 202 (thousands) |  | Excess death due to COVID-19 in 2021 (thousands) | Excess mortality rat due to COVID-19, 2020-21(deaths pe 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate <br> in 2021 <br> per 1000) <br> per 1000 | Anvualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Oman | $\begin{aligned} & 9.1 \\ & (8.0 \text { to 10.2) } \end{aligned}$ | $\begin{aligned} & -2.5 \% \\ & (-3 \cdot 1 \text { to }-1.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.08 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.15 \text { to } 0.18) \end{aligned}$ | $76 \cdot 3$ <br> (75.1 to77-4) | $\begin{aligned} & 70.5 \\ & (69 \cdot 1 \mathrm{to7} 7 \cdot 7) \end{aligned}$ | $\begin{aligned} & 72 \cdot 7 \\ & (71 \cdot 4 \mathrm{to} \mathrm{73.9)} \end{aligned}$ | $\begin{gathered} 17.0 \\ (15 \cdot 3 \text { to } 19.0) \end{gathered}$ | $\begin{gathered} 0.7 \\ (0.6 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} 3 \\ (3 \text { to } 4) \end{gathered}$ | $\begin{gathered} 6 \\ (5+06) \end{gathered}$ | $\begin{aligned} & 1.05 \\ & (0.98 \text { to } 1.11) \end{aligned}$ |
| Palestine | $\begin{aligned} & 10.8 \\ & (8.6 \text { to 13.99) } \end{aligned}$ | $\begin{aligned} & -4.6 \% \\ & (-5 \cdot 8 \text { to -3.4) } \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.09) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.13 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 76 \cdot 2 \\ & (75 \cdot 2 \text { to } 77.2) \end{aligned}$ | $\begin{aligned} & 71.5 \\ & (70 \cdot 3 \text { to } 72.8) \end{aligned}$ | $\begin{aligned} & 73 \cdot 8 \\ & (72 \cdot 6 \text { to } 74 \cdot 9) \end{aligned}$ | $\begin{gathered} 19.5 \\ (17.5 \text { to } 21.6) \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.0 \text { to } 1.7) \end{gathered}$ | $\begin{gathered} 1 \\ \text { (0to } 2 \text { ) } \end{gathered}$ | $\begin{gathered} 4 \\ (3+05) \end{gathered}$ | $\begin{aligned} & 0.50 \\ & (0.34 \text { to } 0.66) \end{aligned}$ |
| Qatar | $\begin{aligned} & 3.6 \\ & (2.9 t+4 \cdot 6) \end{aligned}$ | $\begin{aligned} & -5 \cdot 2 \% \\ & (-6.3 \text { to }-4.2) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.04 \text { to } 0.06) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.07 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 79.2 \\ & (77 \cdot 6 \text { to } 80.7) \end{aligned}$ | $\begin{aligned} & 76 \cdot 1 \\ & (74 \cdot 2 \text { to } 77 \cdot 9) \end{aligned}$ | $\begin{aligned} & 77 \cdot 2 \\ & (75 \cdot 4 \text { to } 78 \cdot 9) \end{aligned}$ | $\begin{gathered} 5 \cdot 1 \\ (4.2 \text { to } 6.0) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.100 .2) \end{gathered}$ | $\begin{gathered} 1 \\ (1+01) \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to }) \end{gathered}$ | ${ }_{(0.313 t 0.37)}^{0.31}$ |
| Saudi Arabia | $\left.{ }_{(3.2}^{4.2}+5.3\right)$ | $\begin{aligned} & -8.2 \% \\ & (-9.7 \text { to }-6.8) \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.11 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.16 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 75 \cdot 1 \\ & (72 \cdot 9 \text { to } 77 \cdot 2) \end{aligned}$ | $\begin{aligned} & 71.8 \\ & (69.9 \text { to } 73 \cdot 6) \end{aligned}$ | $\begin{aligned} & 73 \cdot 1 \\ & (71 \cdot 1 \text { to } 75 \cdot 0) \end{aligned}$ | $\begin{gathered} 156.0 \\ (129.0 \text { to } 187.0) \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.5+0.5) \end{gathered}$ | $\begin{gathered} 15 \\ (12 \text { to } 18) \end{gathered}$ | $\begin{gathered} 12 \\ (8 \mathrm{to} \mathrm{17}) \end{gathered}$ | $\begin{aligned} & 0.38 \\ & (0.29 \text { to } 0.46) \end{aligned}$ |
| Sudan | $\begin{aligned} & 36 \cdot 8 \\ & (29.5045 \cdot 0) \end{aligned}$ | $\begin{aligned} & -5.0 \% \\ & (-6 \cdot 1 \text { to }-4.0) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.13 \text { to } 0.20) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.17 \text { to } 0.27) \end{aligned}$ | $70 \cdot 1$ <br> (67.2 to $72 \cdot 7$ ) | $\begin{aligned} & 66 \cdot 3 \\ & (63 \cdot 1 \text { to } 69 \cdot 3) \end{aligned}$ | $\begin{aligned} & 68.0 \\ & \text { (64.9 to } 70.8 \text { ) } \end{aligned}$ | $\begin{aligned} & 246 \cdot 0 \\ & (200.0 \text { to } 300.0) \end{aligned}$ | $\begin{gathered} 42.5 \\ \text { (33.9 to } 52.1 \text { ) } \end{gathered}$ | $\stackrel{37}{(27 \text { to } 46)}$ | $\begin{gathered} 48 \\ (26 \text { to } 72) \end{gathered}$ | $\begin{aligned} & 1.08 \\ & (0.69 \mathrm{top} 1.50) \end{aligned}$ |
| Syria | $\begin{aligned} & 10.0 \\ & (8.0 \text { to 12.4) } \end{aligned}$ | $\begin{aligned} & -2.9 \% \\ & (-3.9 \text { to -1.8) } \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.08 \text { to } 0.13 \text { ) } \end{aligned}$ | $\sum_{(0.155 t 0.23)}^{0.19}$ | $\begin{aligned} & 74.7 \\ & (72.5 \text { to } 76.6) \end{aligned}$ | $\begin{aligned} & 70 \cdot 1 \\ & (67.5 \text { to } 72 \cdot 4) \end{aligned}$ | $\begin{aligned} & 72.4 \\ & (69 \cdot 9 \text { to } 74 \cdot 6) \end{aligned}$ | $\begin{gathered} 104 \cdot 0 \\ (85 \cdot 4 \text { to 128.0) } \end{gathered}$ | $\begin{gathered} 2.0 \\ (1.6 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 7 \\ (5 \text { to } 8) \end{gathered}$ | $\begin{gathered} 16 \\ (11 \text { to } 22) \end{gathered}$ | $\begin{aligned} & 0.53 \\ & (0.38 \text { to } 0.69) \end{aligned}$ |
| Tunisia | $\begin{aligned} & 10.3 \\ & (8.4 \text { to } 12.5) \end{aligned}$ | $\begin{aligned} & -5 \cdot 2 \% \\ & (-6.2 \text { to }-4 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.07 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.14 \text { to } 0.21) \end{aligned}$ | $\begin{aligned} & 77 \cdot 1 \\ & (75 \cdot 1 \text { to } 79.0) \end{aligned}$ | $\begin{aligned} & 70.8 \\ & (68.5 \text { to } 73.1) \end{aligned}$ | $\begin{aligned} & 73.7 \\ & (71 \cdot 5 \text { to } 75 \cdot 9) \end{aligned}$ | $\begin{gathered} 103.0 \\ (84 \cdot 9 \text { to } 124 \cdot 0) \end{gathered}$ | $\begin{gathered} 1.7 \\ (1 \cdot 4 \text { to } 2 \cdot 1) \end{gathered}$ | $\begin{gathered} 8 \\ (-1 \text { to } 15) \end{gathered}$ | $\begin{gathered} 34 \\ (26 \text { to } 42) \end{gathered}$ | $\begin{aligned} & 1.87 \\ & (1.14 \mathrm{to} 2.54) \end{aligned}$ |
| Türkive | $\begin{aligned} & 111 \cdot 1 \\ & (9 \cdot 1 \text { to 13.4) } \end{aligned}$ | $\begin{aligned} & -6.3 \% \\ & (-7 \cdot 3 \text { to }-5 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.07 \\ & (0.06 \text { to o 0.08) } \end{aligned}$ | $\begin{aligned} & 0.14 \\ & (0.12 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 78.3 \\ & (77 \cdot 0 \text { to } 79.5) \end{aligned}$ | $\begin{aligned} & 72 \cdot 3 \\ & (70.7 \text { to } 74 \cdot 0) \end{aligned}$ | $\begin{aligned} & 75 \cdot 2 \\ & (73.7 \text { to } 76.7) \end{aligned}$ | $\begin{aligned} & 654.0 \\ & \text { ( } 566.0 \text { to } 744.0 \text { ) } \end{aligned}$ | $\begin{gathered} 11 \cdot 4 \\ (9 \cdot 3 \text { to } 13.7) \end{gathered}$ | $\begin{gathered} 111 \\ (83 \text { to } 135) \end{gathered}$ |  | $\begin{aligned} & 1.62 \\ & (1.21 \text { to } 1.87) \end{aligned}$ |
| United Arab <br> Emirates | ${ }_{(4 \cdot 1 \text { to } 5 \cdot 7)}^{4.7}$ | $\begin{aligned} & -4 \cdot 2 \% \\ & (-5 \cdot 1 \text { to }-3 \cdot 5) \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.05 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.07 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 77.5 \\ & (70 \cdot 8 \text { to } 72 \cdot 3) \end{aligned}$ | $\begin{aligned} & 77 \cdot 5 \\ & (75 \cdot 7 \mathrm{to} 79 \cdot 6) \end{aligned}$ | $\begin{aligned} & 75.0 \\ & (73.6 t \mathrm{to7} 7.6) \end{aligned}$ | $\begin{gathered} 20 \cdot 1 \\ (15 \cdot 9 \text { to } 23.7) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} -2 \\ (-7 \text { to } 2) \end{gathered}$ | $\begin{gathered} 4 \\ (0 \text { to } 5) \end{gathered}$ | $\begin{aligned} & 0.21 \\ & (-0.24 \text { to } 0.61) \end{aligned}$ |
| Yemen | $\begin{aligned} & 38.9 \\ & (32.0 \text { to } 46.5) \end{aligned}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-5 \cdot 1 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.14 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.24 \text { to } 0.35) \end{aligned}$ | $\begin{aligned} & 68.5 \\ & (65.5 \text { to } 70.9) \end{aligned}$ | $\begin{aligned} & 62 \cdot 4 \\ & (59 \cdot 4 \text { to } 65 \cdot 2) \end{aligned}$ | $\begin{aligned} & 65 \cdot 3 \\ & (62 \cdot 2 \text { to } 67 \cdot 9) \end{aligned}$ | $\begin{gathered} 216.0 \\ (181.0 \text { to } 263.0) \end{gathered}$ | $\begin{gathered} 37.8 \\ \text { ( } 30.9 \text { to } 45 \cdot 3 \text { ) } \end{gathered}$ | $\begin{gathered} 19 \\ (15 \text { to 22) } \end{gathered}$ | $\begin{gathered} 37 \\ (15 \text { to } 65) \end{gathered}$ | $\begin{aligned} & 0.85 \\ & (0.50 \text { to 1.29) } \end{aligned}$ |
| South Asia | 37.1 (31.4 to $44 \cdot 2$ ) | $\begin{aligned} & -3 \cdot 6 \% \\ & (-4 \cdot 5 \text { to }-2 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.14 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.21 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 70.8 \\ & (69.8 \text { to } 71.8) \end{aligned}$ | $\begin{aligned} & 66 \cdot 4 \\ & (65 \cdot 4 \text { to } 67 \cdot 4) \end{aligned}$ | 68.5 (67.6to 69.3) | $\begin{aligned} & 14800.0 \\ & (14000.0 \text { to } \\ & 15600.0) \end{aligned}$ | $\begin{aligned} & 1180.0 \\ & (995.0 \text { to } \\ & 1410.0) \end{aligned}$ | $\begin{aligned} & 1610 \\ & (1500 \text { to } \\ & 1710) \end{aligned}$ | $\begin{aligned} & 2830 \\ & \text { (2710 to } \\ & 2960) \end{aligned}$ | $\begin{aligned} & 1.28 \\ & \text { (1.24 to 1.32) } \end{aligned}$ |
| Bangladesh | $\begin{aligned} & 28.0 \\ & (22.5 \text { to } 34.6) \end{aligned}$ | $\begin{aligned} & -5 \cdot 3 \% \\ & (-6 \cdot 4 \text { to }-4 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.11 \\ & \text { (0.09 to 0.13) } \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.14 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 74 \cdot 1 \\ & (72.0 \text { to } 76 \cdot 1) \end{aligned}$ | $\begin{aligned} & 70 \cdot 6 \\ & (68 \cdot 3 \text { to } 72.8) \end{aligned}$ | $\begin{aligned} & 72 \cdot 3 \\ & (70 \cdot 0 \text { to } 74 \cdot 3) \end{aligned}$ | $\begin{aligned} & 1100 \cdot 0 \\ & (929 \cdot 0 \text { to } \\ & 1280.0) \end{aligned}$ | $\begin{gathered} 79.2 \\ (63.4 \text { to } 98.0) \end{gathered}$ | $\stackrel{152}{(127 \text { to } 208)}$ | $\begin{aligned} & 180 \\ & (154 \mathrm{to} \mathrm{219)} \end{aligned}$ | $\begin{aligned} & (0.07 \\ & { }_{0.92}^{101.37)} \end{aligned}$ |
| Bhutan | $\begin{aligned} & 29 \cdot 3 \\ & (22 \cdot 8 \text { to } 36 \cdot 6) \end{aligned}$ | $\begin{aligned} & -5 \cdot 2 \% \\ & (-6 \cdot 4 \mathrm{to}-3 \cdot 9) \end{aligned}$ | $\begin{aligned} & 0.10 \\ & (0.08 \text { to } 0.13) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.10 \text { to } 0.16 \text { ) } \end{aligned}$ | $\underset{(72.6 \text { to } 77.3)}{74.9}$ | $\begin{aligned} & 72.7 \\ & (70 \cdot 2 \text { to } 75 \cdot 2) \end{aligned}$ | $\begin{aligned} & 73.7 \\ & \text { (71.3 to } 76 \cdot 2) \end{aligned}$ | $\begin{gathered} 4.4 \\ (3.705 \cdot 2) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0too }) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.09 \\ & (0.070 .0 .11) \end{aligned}$ |
| India | $\begin{aligned} & 33.1 \\ & (26.9 \text { to 40.8) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 0 \% \\ & (-5 \cdot 2 \text { to }-2 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.14 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.21 t 0.25) \\ & 0 \end{aligned}$ | $\begin{aligned} & 71 \cdot 2 \\ & (7 \cdot 2 \cdot 2 \mathrm{tof} 72 \cdot 4) \end{aligned}$ | $\begin{aligned} & 66 \cdot 6 \\ & (65 \cdot 4 \text { to } 67 \cdot 7) \end{aligned}$ | $\begin{aligned} & 68.7 \\ & (67.8 \text { to } 69 \cdot 6) \end{aligned}$ | $11700 \cdot 0$ (111100.0 to 12500.0) | $\begin{aligned} & 730.0 \\ & (590.0 \text { to o } 902.0) \end{aligned}$ | $\begin{aligned} & 1170 \\ & \begin{array}{l} \text { (1100 to } \\ 1240) \end{array} \end{aligned}$ | $\begin{aligned} & 2270 \\ & (2160 \text { to } 2370) \end{aligned}$ | ${ }_{(1.26 \text { to } 1.33)}^{1.29}$ |
| Nepal | 28.4 (22.0 to 36.4 ) | $\begin{aligned} & -5.1 \% \\ & (-6.3 \text { to }-3.8) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.13 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.21 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 70.8 \\ & (688.8 \text { to } 72 \cdot 4) \end{aligned}$ | $66 \cdot 1$ (64.1 to $67 \cdot 8$ ) | $\begin{aligned} & 68 \cdot 4 \\ & (66 \cdot 4 \text { to } 70 \cdot 1) \end{aligned}$ | $\begin{aligned} & 252 \cdot 0 \\ & (224 \cdot 0 \text { to } 290.0) \end{aligned}$ | $\begin{gathered} 18 \cdot 2 \\ (14.0 \text { to } 23 \cdot 4) \end{gathered}$ | $\begin{aligned} & 29 \\ & (222032) \end{aligned}$ | $\begin{gathered} 62 \\ (58 \text { to } 70) \end{gathered}$ | $\begin{aligned} & 1.47 \\ & (1.39 \text { to } 1.59) \end{aligned}$ |
| Pakistan | $\begin{aligned} & 56 \cdot 3 \\ & (46 \cdot 2 \text { to } 68.0) \end{aligned}$ | $\begin{aligned} & -2 \cdot 2 \% \\ & (-3 \cdot 2 \text { to }-1 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.15 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.20 \text { to } 0.30) \end{aligned}$ | $66 \cdot 4$ <br> ( 63.8 to 68.8 ) | $\begin{aligned} & 63 \cdot 8 \\ & (61.3 \text { to } 66 \cdot 1) \end{aligned}$ | 65.0 <br> ( $63 \cdot 1$ to $66 \cdot 9$ ) | $\begin{aligned} & 1720.0 \\ & (1520.0 \text { to } \\ & 1940.0) \end{aligned}$ | $\begin{gathered} 353.0 \\ (288.0 \text { to } 428.0) \end{gathered}$ | ${ }_{(236 \text { to } 271)}^{254}$ | $\begin{gathered} 311 \\ (258 \text { to } 385) \end{gathered}$ | $\underset{(1.15 \text { to } 1.48)}{1.28}$ |


|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) | Excess deaths due to COVID-19 in 2020 (thousands) | Excess deaths due to <br> COVID-19 in <br> 2021 <br> (thousands) | Excess mortality rate due to COVID-19, 2020-21 (deaths per 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate in 2021 <br> (deaths <br> per 1000) | Annualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Southeast Asia, east Asia, and Oceania | $\begin{aligned} & 14.6 \\ & (12 \cdot 6 \text { to } 17 \cdot 0) \end{aligned}$ | $\begin{aligned} & -5 \cdot 1 \% \\ & (-5.8 \text { to }-4 \cdot 4) \end{aligned}$ | 0.08 <br> (0.07 to <br> 0.09) | $\begin{aligned} & 0.15 \\ & (0.13 \text { to } 0.17) \end{aligned}$ | $\begin{aligned} & 78.6 \\ & \text { (77.2 to 80.0) } \end{aligned}$ | $\begin{aligned} & 72 \cdot 5 \\ & \text { (70.9 to } 74 \cdot 1 \text { ) } \end{aligned}$ | $\begin{aligned} & 75 \cdot 4 \\ & (74 \cdot 1 \text { to } 76 \cdot 6) \end{aligned}$ | $\begin{aligned} & 17800.0 \\ & (15900.0 \text { to } \\ & 19900.0) \end{aligned}$ | $\begin{aligned} & 352.0 \\ & (302.0 \text { to } 411.0) \end{aligned}$ | $\begin{aligned} & 165 \\ & (-39 \text { to } 534) \end{aligned}$ | $\begin{aligned} & 869 \\ & \text { (424 to 1490) } \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.09 \text { to } 0.44) \end{aligned}$ |
| East Asia | $\begin{aligned} & 7.3 \\ & (6.2 \text { to } 8.6) \end{aligned}$ | $\begin{aligned} & -7.9 \% \\ & (-8.9 \text { to -6.9) } \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.06 \\ & (0.04 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.09 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 80 \cdot 7 \\ & (78 \cdot 9 \text { to } 82 \cdot 5) \end{aligned}$ | $\begin{aligned} & 74 \cdot 8 \\ & (72.7 \text { to } 77 \cdot 0) \end{aligned}$ | $\begin{aligned} & 77.6 \\ & (76.0 \text { to } 79.1) \end{aligned}$ | $\begin{aligned} & 12100.0 \\ & (10400.0 \text { to } \\ & 14000 \cdot 0) \end{aligned}$ | $\begin{aligned} & 90 \cdot 0 \\ & (76 \cdot 2 \text { to } 107.0) \end{aligned}$ | $\begin{gathered} 55 \\ (-6 \text { to } 292) \end{gathered}$ | $\stackrel{12}{(-14 \text { to } 72)}^{(2)}$ | $\begin{aligned} & 0.02 \\ & (-0.01 \text { to } 0.12) \end{aligned}$ |
| China | $\begin{aligned} & 7.2 \\ & (6.1 \text { to } 8.6) \end{aligned}$ | $\begin{aligned} & -7.7 \% \\ & (-8.5 \text { to }-6.8) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.04 \text { to } 0.07) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.09 \text { to } 0.14) \end{aligned}$ | $\begin{aligned} & 80 \cdot 7 \\ & (78 \cdot 9 \text { to } 82 \cdot 6) \end{aligned}$ | $\begin{aligned} & 74 \cdot 9 \\ & (72 \cdot 7 \text { to } 77 \cdot 1) \end{aligned}$ | $\begin{aligned} & 77.6 \\ & (76.0 \text { to } 79 \cdot 2) \end{aligned}$ | $\begin{aligned} & 11700.0 \\ & \text { (99800 to } \end{aligned}$ $13600 \cdot 0)$ | $\begin{gathered} 86 \cdot 1 \\ (72 \cdot 3 \text { to 102.0) } \end{gathered}$ | $\begin{gathered} 59 \\ \text { (3 to 283) } \end{gathered}$ | $\begin{gathered} 11 \\ (-2 \text { to } 55) \end{gathered}$ | $\begin{aligned} & 0.02 \\ & (0.00 \text { to } 0.12) \end{aligned}$ |
| North Korea | $\begin{aligned} & 10.5 \\ & (7.8 \text { to 13.9) } \end{aligned}$ | $\begin{aligned} & -10 \cdot 9 \% \\ & (-15 \cdot 4 \mathrm{to} \\ & -7 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.09 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 0.20 \\ & (0.16 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 76.2 \\ & (73.6 \text { to } 78.5) \end{aligned}$ | $\begin{aligned} & 70.1 \\ & (67.8 \text { to } 72 \cdot 5) \end{aligned}$ | $\begin{aligned} & 73 \cdot 3 \\ & (70 \cdot 7 \text { to } 75 \cdot 7) \end{aligned}$ | $\begin{aligned} & 242.0 \\ & (202.0 \text { to } 288.0) \end{aligned}$ | $\begin{gathered} 3 \cdot 1 \\ \text { (2.3 to } 4 \cdot 1) \end{gathered}$ | $\begin{gathered} 1 \\ (0 \text { to } 5) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 1) \end{gathered}$ | $\begin{aligned} & 0.02 \\ & (0.00 \text { to } 0.12) \end{aligned}$ |
| Taiwan (province of China) | $\begin{aligned} & 4 \cdot 6 \\ & (4 \cdot 1 \text { to } 5 \cdot 2) \end{aligned}$ | $\begin{aligned} & -2.7 \% \\ & (-3 \cdot 4 \text { to }-2 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.05 \\ & (0.05 \text { to } 0.05) \end{aligned}$ | $\begin{aligned} & 0.12 \\ & (0.12 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 84 \cdot 6 \\ & (84 \cdot 4 \text { to } 84 \cdot 8) \end{aligned}$ | $\begin{aligned} & 78 \cdot 1 \\ & \text { (77.9 to } 78 \cdot 2 \text { ) } \end{aligned}$ | $\begin{aligned} & 81 \cdot 3 \\ & (81 \cdot 1 \text { to } 81 \cdot 4) \end{aligned}$ | $\begin{aligned} & 184.0 \\ & \text { (182.0 to 186.0) } \end{aligned}$ | $\begin{gathered} 0.7 \\ (0.7 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} -6 \\ (-15 \text { to } 4) \end{gathered}$ | $\begin{gathered} 1 \\ (-18 \text { to } 16) \end{gathered}$ | $\begin{aligned} & -0.11 \\ & (-0.69 \text { to } \\ & 0.43) \end{aligned}$ |
| Oceania | $\begin{aligned} & 47 \cdot 1 \\ & (38 \cdot 9 \text { to } 56 \cdot 1) \end{aligned}$ | $\begin{aligned} & -1.2 \% \\ & (-2.2 \text { to }-0.2) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.18 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.24 \text { to } 0.35) \end{aligned}$ | $\begin{aligned} & 66 \cdot 6 \\ & (64 \cdot 2 \text { to } 69 \cdot 0) \end{aligned}$ | $\begin{aligned} & 62 \cdot 5 \\ & (59 \cdot 4 \text { to } 65 \cdot 6) \end{aligned}$ | $\begin{aligned} & 64 \cdot 4 \\ & (61 \cdot 6 \text { to } 67 \cdot 1) \end{aligned}$ | $\begin{gathered} 108.0 \\ (89 \cdot 4 \text { to } 131 \cdot 0) \end{gathered}$ | $\begin{gathered} 19.8 \\ \text { (16.3 to 23.7) } \end{gathered}$ | $\begin{gathered} 1 \\ \text { (0 to 3) } \end{gathered}$ | $\begin{gathered} 16 \\ (4 \text { to } 34) \end{gathered}$ | $\begin{aligned} & 0.69 \\ & (0.17 \text { to } 1.47) \end{aligned}$ |
| American Samoa | $\begin{aligned} & 12 \cdot 1 \\ & (9 \cdot 4 \text { to } 15 \cdot 5) \end{aligned}$ | $\begin{aligned} & -0.9 \% \\ & (-2.3 \text { to } 0.4) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.13 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.19 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 72.8 \\ & (70.6 \text { to } 74 \cdot 9) \end{aligned}$ | $\begin{aligned} & 69 \cdot 3 \\ & (67 \cdot 0 \text { to } 71 \cdot 2) \end{aligned}$ | $\begin{aligned} & 71 \cdot 0 \\ & (68 \cdot 7 \text { to } 72 \cdot 9) \end{aligned}$ | $\begin{gathered} 0.4 \\ (0.4 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (\text { (0to } 0) \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Cook Islands | $\begin{aligned} & 5 \cdot 4 \\ & (5 \cdot 4 \text { to } 5 \cdot 5) \end{aligned}$ | $\begin{aligned} & -4 \cdot 4 \% \\ & (-5 \cdot 4 \text { to }-3 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.15 \text { to } 0.22) \end{aligned}$ | $\begin{aligned} & 79 \cdot 6 \\ & \text { (77.6 to 81•6) } \end{aligned}$ | $\begin{aligned} & 72 \cdot 9 \\ & (70 \cdot 9 \text { to } 74 \cdot 7) \end{aligned}$ | $\begin{aligned} & 76 \cdot 1 \\ & (74 \cdot 2 \text { to } 78 \cdot 0) \end{aligned}$ | $\begin{gathered} 0.2 \\ (0.1 \text { to } 0.2) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Federated States of Micronesia | $\begin{aligned} & 15 \cdot 4 \\ & (12 \cdot 2 \text { to 19.1) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-5 \cdot 2 \text { to }-2 \cdot 9) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.16 \text { to } 0.27) \end{aligned}$ | $\begin{aligned} & 0.32 \\ & (0.26 \text { to } 0.40) \end{aligned}$ | $\begin{aligned} & 69 \cdot 7 \\ & (66 \cdot 6 \text { to } 72 \cdot 4) \end{aligned}$ | $\begin{aligned} & 64 \cdot 5 \\ & (61 \cdot 1 \text { to } 67.5) \end{aligned}$ | $\begin{aligned} & 67 \cdot 0 \\ & (63 \cdot 6 \text { to } 69 \cdot 9) \end{aligned}$ | $\begin{gathered} 0.8 \\ (0.7 \text { to } 1.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0 to 0) } \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Fiji | $\begin{aligned} & 19 \cdot 3 \\ & (14 \cdot 6 \text { to } 25 \cdot 2) \end{aligned}$ | $\begin{aligned} & -1 \cdot 4 \% \\ & (-2.9 \text { to } 0.3) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.16 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.23 \text { to } 0.38) \end{aligned}$ | $\begin{aligned} & 68.8 \\ & (65.8 \text { to } 71 \cdot 9) \end{aligned}$ | $\begin{aligned} & 63 \cdot 8 \\ & (60 \cdot 4 \text { to } 67 \cdot 4) \end{aligned}$ | $\begin{aligned} & 66 \cdot 1 \\ & (62 \cdot 9 \text { to } 69 \cdot 6) \end{aligned}$ | $\begin{gathered} 9 \cdot 4 \\ \text { (7.2 to } 12 \cdot 0 \text { ) } \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 2 \\ (0 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 1.08 \\ & (0.27 \text { to } 2 \cdot 36) \end{aligned}$ |
| Guam | $\begin{aligned} & 12.0 \\ & (9.6 \text { to 14.9) } \end{aligned}$ | $\begin{aligned} & 0.1 \% \\ & (-1.0 \text { to 1.3) } \end{aligned}$ | $\begin{aligned} & 0.11 \\ & (0.10 \text { to } 0.12) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.19 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 82 \cdot 9 \\ & (81 \cdot 2 \text { to } 84 \cdot 7) \end{aligned}$ | $\begin{aligned} & 73 \cdot 5 \\ & (71 \cdot 7 \text { to } 75 \cdot 5) \end{aligned}$ | $\begin{aligned} & 77.9 \\ & (76 \cdot 2 \text { to } 79 \cdot 8) \end{aligned}$ | $\begin{gathered} 1.2 \\ \text { (1.0 to } 1.3 \text { ) } \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (\text { (0 to } 0) \end{gathered}$ | $\begin{aligned} & 1.08 \\ & \text { (0.65 to 1.48) } \end{aligned}$ |
| Kiribati | $\begin{aligned} & 36 \cdot 4 \\ & \text { (29.6 to } 44 \cdot 7) \end{aligned}$ | $\begin{aligned} & -2.6 \% \\ & (-3.6 \text { to }-1.5) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.17 \text { to } 0.28) \end{aligned}$ | $\begin{aligned} & 0.36 \\ & (0.30 \text { to } 0.44) \end{aligned}$ | $\begin{aligned} & 67 \cdot 0 \\ & (64 \cdot 1 \text { to } 69 \cdot 5) \end{aligned}$ | $\begin{aligned} & 61 \cdot 1 \\ & (57 \cdot 8 \text { to } 64 \cdot 0) \end{aligned}$ | $\begin{aligned} & 64 \cdot 1 \\ & (60 \cdot 9 \text { to } 66 \cdot 8 \text { ) } \end{aligned}$ | $\begin{gathered} 1.0 \\ (0.8 \text { to } 1 \cdot 2) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Marshall Islands | $\begin{aligned} & 19 \cdot 9 \\ & (15 \cdot 3 \text { to } 26 \cdot 2) \end{aligned}$ | $\begin{aligned} & -3 \cdot 1 \% \\ & (-4 \cdot 4 \text { to }-1.7) \end{aligned}$ | $\begin{aligned} & 0.26 \\ & (0.21 \text { to } 0.33) \end{aligned}$ | $\begin{aligned} & 0.34 \\ & (0.28 \text { to } 0.41) \end{aligned}$ | $\begin{aligned} & 66 \cdot 8 \\ & (63 \cdot 5 \text { to } 69 \cdot 6) \end{aligned}$ | $\begin{aligned} & 63 \cdot 4 \\ & (59 \cdot 8 \text { to } 66 \cdot 5) \end{aligned}$ | $\begin{aligned} & 65.0 \\ & (61.5 \text { to } 68 \cdot 1) \end{aligned}$ | $\begin{gathered} 0.4 \\ (0.4 \text { to } 0.6) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0 to 0) } \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Nauru | $\begin{aligned} & 24 \cdot 5 \\ & (18 \cdot 2 \text { to } 33 \cdot 0) \end{aligned}$ | $\begin{aligned} & -3 \cdot 1 \% \\ & (-4 \cdot 5 \text { to }-1 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.22 \text { to } 0.34) \end{aligned}$ | $\begin{aligned} & 0.43 \\ & (0.37 \text { to } 0.51) \end{aligned}$ | $\begin{aligned} & 65.7 \\ & (62 \cdot 3 \text { to } 68.7) \end{aligned}$ | $\begin{aligned} & 59 \cdot 2 \\ & (55 \cdot 8 \text { to } 62 \cdot 4) \end{aligned}$ | $\begin{aligned} & 62 \cdot 3 \\ & (58.8 \text { to } 65 \cdot 4) \end{aligned}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0 to } 0 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Nive | $\begin{aligned} & 51 \cdot 1 \\ & \text { (51.0 to } 52 \cdot 5 \text { ) } \end{aligned}$ | $\begin{aligned} & 2.8 \% \\ & (1.8 \text { to } 3.7) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.12 \text { to } 0.18) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.19 \text { to } 0.29) \end{aligned}$ | $\begin{aligned} & 69 \cdot 2 \\ & (67 \cdot 6 \text { to } 71 \cdot 1) \end{aligned}$ | $\begin{aligned} & 65 \cdot 1 \\ & (62 \cdot 9 \text { to } 66 \cdot 8) \end{aligned}$ | $\begin{aligned} & 67 \cdot 1 \\ & (65 \cdot 1 \text { to } 69 \cdot 0) \end{aligned}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
| Northern <br> Mariana Islands | $\begin{aligned} & 6.2 \\ & (5.0 \text { to } 7.4) \end{aligned}$ | $\begin{aligned} & -0.7 \% \\ & (-1.6 \text { to } 0.1) \end{aligned}$ | $\begin{aligned} & 0.13 \\ & (0.11 \text { to } 0.15) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.18 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 75 \cdot 0 \\ & (73 \cdot 8 \text { to } 77 \cdot 1) \end{aligned}$ | $\begin{aligned} & 69 \cdot 5 \\ & (68 \cdot 1 \text { to } 71 \cdot 9) \end{aligned}$ | $\begin{aligned} & 72.0 \\ & (70 \cdot 7 \text { to } 74 \cdot 2) \end{aligned}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ \text { (0 to 0) } \end{gathered}$ | $\begin{aligned} & 0.38 \\ & (-0.75 \text { to } 1.39) \end{aligned}$ |
| Palau | $\begin{aligned} & 16 \cdot 9 \\ & \text { (13.9 to 20.8) } \end{aligned}$ | $\begin{aligned} & -1.5 \% \\ & (-2.7 \text { to }-0.4) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.12 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.23 \text { to } 0.33) \end{aligned}$ | $\begin{aligned} & 70 \cdot 5 \\ & (68 \cdot 2 \text { to } 72 \cdot 6) \end{aligned}$ | $\begin{aligned} & 67 \cdot 7 \\ & (64 \cdot 9 \text { to } 70 \cdot 5) \end{aligned}$ | $\begin{aligned} & 68.7 \\ & (66 \cdot 1 \text { to } 71 \cdot 1) \end{aligned}$ | $\begin{gathered} 0.2 \\ (0.2 \text { to } 0.2) \end{gathered}$ | $\begin{gathered} 0.0 \\ (0.0 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{aligned} & 0.00 \\ & (0.00 \text { to } 0.00) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  | (Table 1 contin | es on next page) |



|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) | Excess deaths due to COVID-19 in 2020 (thousands) | Excess deaths due to COVID-19 in 2021 (thousands) | Excess mortality rate due to COVID-19, 2020-21 (deaths per 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate in 2021 <br> (deaths per 1000) | Annualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Thailand | $\begin{gathered} 7.4 \\ (6.5 \text { to } 8.3) \end{gathered}$ | $\begin{aligned} & -4 \cdot 2 \% \\ & (-5 \cdot 1 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.09 \\ & (0.07 \text { to } 0.11) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.17 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 80 \cdot 3 \\ & (77 \cdot 8 \text { to } 82 \cdot 6) \end{aligned}$ | $\begin{aligned} & 72 \cdot 4 \\ & (69 \cdot 1 \text { to } 75 \cdot 8) \end{aligned}$ | $\begin{aligned} & 76 \cdot 3 \\ & (73 \cdot 5 \text { to } 79 \cdot 1) \end{aligned}$ | $\begin{gathered} 626.0 \\ (499.0 \text { to } 766 \cdot 0) \end{gathered}$ | $\begin{gathered} 4.0 \\ (3.5 \text { to } 4.5) \end{gathered}$ | $\begin{gathered} 1 \\ (0 \text { to } 2) \end{gathered}$ | $\begin{gathered} 62 \\ (20 \text { to 117) } \end{gathered}$ | $\begin{aligned} & 0.44 \\ & (0.14 \text { to } 0.83) \end{aligned}$ |
| Timor-Leste | $\begin{aligned} & 35 \cdot 2 \\ & (29.0 \text { to } 42 \cdot 7) \end{aligned}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-5 \cdot 1 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.16 \\ & (0.12 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.17 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 70 \cdot 5 \\ & (68 \cdot 2 \text { to } 72 \cdot 8) \end{aligned}$ | $\begin{aligned} & 66 \cdot 9 \\ & (64 \cdot 2 \text { to } 69 \cdot 6) \end{aligned}$ | $\begin{aligned} & 68.6 \\ & (66.1 \text { to } 71 \cdot 0) \end{aligned}$ | $\begin{gathered} 9 \cdot 5 \\ (7 \cdot 9 \text { to } 11 \cdot 4) \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.2 \text { to } 1.7) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 1 \\ (0 \text { to } 2) \end{gathered}$ | $\begin{aligned} & 0.45 \\ & (0.14 \text { to } 0.88) \end{aligned}$ |
| Viet Nam | $\begin{aligned} & 11 \cdot 1 \\ & (8.7 \text { to } 14 \cdot 3) \end{aligned}$ | $\begin{aligned} & -4 \cdot 4 \% \\ & (-5 \cdot 6 \text { to }-3 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.06 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.16 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 78 \cdot 3 \\ & (76 \cdot 5 \text { to } 80 \cdot 3) \end{aligned}$ | $\begin{aligned} & 69 \cdot 9 \\ & (68.0 \text { to } 72.0) \end{aligned}$ | $\begin{aligned} & 74 \cdot 0 \\ & (72 \cdot 1 \text { to } 76 \cdot 1) \end{aligned}$ | $\begin{aligned} & 701.0 \\ & (587.0 \text { to } 813.0) \end{aligned}$ | $\begin{gathered} 17.5 \\ (13.7 \text { to } 22.5) \end{gathered}$ | $\begin{gathered} 1 \\ (0 \text { to } 1) \end{gathered}$ | $\begin{gathered} 44 \\ (14 \text { to } 90) \end{gathered}$ | $\begin{aligned} & 0.23 \\ & (0.07 \text { to } 0.47) \end{aligned}$ |
| Sub-Saharan Africa | $\begin{aligned} & 70 \cdot 7 \\ & \text { ( } 59.7 \text { to } 84 \cdot 0 \text { ) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 5 \% \\ & (-4 \cdot 3 \text { to }-2 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.22 \text { to } \\ & 0.26) \end{aligned}$ | $\begin{aligned} & 0.34 \\ & (0.32 \text { to } 0.37) \end{aligned}$ | $\begin{aligned} & 64 \cdot 1 \\ & (62 \cdot 4 \text { to } 65 \cdot 5) \end{aligned}$ | $\begin{aligned} & 58.7 \\ & \text { (56.8 to 60.3) } \end{aligned}$ | $\begin{aligned} & 61 \cdot 3 \\ & \text { (59.5 to } 62 \cdot 7 \text { ) } \end{aligned}$ | $\begin{aligned} & 9430.0 \\ & (8620.0 \text { to } \\ & 10500.0) \end{aligned}$ | $\begin{aligned} & 2630.0 \\ & (2210.0 \text { to } \\ & 3140.0) \end{aligned}$ | $\begin{aligned} & 805 \\ & (747 \text { to } 864) \end{aligned}$ | $\begin{aligned} & 1600 \\ & (1480 \text { to } 1720) \end{aligned}$ | $\begin{aligned} & 1.13 \\ & \text { (1.05 to } 1.19) \end{aligned}$ |
| Central subSaharan Africa | $\begin{aligned} & 58 \cdot 3 \\ & (49 \cdot 7 \text { to } 68 \cdot 9) \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-5 \cdot 4 \text { to }-3 \cdot 8) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.22 \text { to } 0.29) \end{aligned}$ | $\begin{aligned} & 0.37 \\ & (0.33 \text { to } 0.41) \end{aligned}$ | $\begin{aligned} & 63 \cdot 8 \\ & (61 \cdot 5 \text { to } 66 \cdot 0) \end{aligned}$ | $\begin{aligned} & 58 \cdot 4 \\ & (56 \cdot 1 \text { to } 60 \cdot 5) \end{aligned}$ | $\begin{aligned} & 61 \cdot 0 \\ & (58 \cdot 7 \text { to } 63 \cdot 1) \end{aligned}$ | $1090 \cdot 0$ (953.0 to 1250.0) | $\begin{aligned} & 259.0 \\ & (220.0 \text { to } 307.0) \end{aligned}$ | $\begin{gathered} 94 \\ \text { (84 to 104) } \end{gathered}$ | $\begin{aligned} & 174 \\ & (150 \text { to 202) } \end{aligned}$ | $\begin{aligned} & 1.04 \\ & (0.91 \text { to } 1.17) \end{aligned}$ |
| Angola | $\begin{aligned} & 54 \cdot 7 \\ & (45 \cdot 7 \text { to } 65 \cdot 1) \end{aligned}$ | $\begin{aligned} & -5 \cdot 3 \% \\ & (-6 \cdot 3 \text { to }-4 \cdot 5) \end{aligned}$ | $\begin{aligned} & 0.27 \\ & (0.22 \text { to } 0.32) \end{aligned}$ | $\begin{aligned} & 0.37 \\ & (0.32 \text { to } 0.43) \end{aligned}$ | $\begin{aligned} & 63 \cdot 7 \\ & (60 \cdot 8 \text { to } 66 \cdot 6) \end{aligned}$ | $\begin{aligned} & 58 \cdot 4 \\ & (55 \cdot 6 \text { to } 61 \cdot 1) \end{aligned}$ | $\begin{aligned} & 61 \cdot 0 \\ & (58 \cdot 2 \text { to } 63 \cdot 7) \end{aligned}$ | $\begin{aligned} & 250.0 \\ & (208.0 \text { to 296.0) } \end{aligned}$ | $\begin{gathered} 65 \cdot 3 \\ (54 \cdot 3 \text { to } 78.0) \end{gathered}$ | $\begin{gathered} 15 \\ (13 \text { to } 18) \end{gathered}$ | $\begin{gathered} 40 \\ (29 \text { to 51) } \end{gathered}$ | $\begin{aligned} & 0.92 \\ & (0.71 \text { to } 1 \cdot 10) \end{aligned}$ |
| Central African Republic | $\begin{aligned} & 110 \cdot 0 \\ & \text { (89.2 to 136.0) } \end{aligned}$ | $\begin{aligned} & -2 \cdot 4 \% \\ & (-3 \cdot 4 \text { to }-1 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.39 \\ & (0.33 \text { to } 0.47) \end{aligned}$ | $\begin{aligned} & 0.57 \\ & (0.50 \text { to } 0.65) \end{aligned}$ | $\begin{aligned} & 55 \cdot 2 \\ & (51 \cdot 2 \text { to } 58 \cdot 6) \end{aligned}$ | $\begin{aligned} & 48.2 \\ & (44.5 \text { to } 51.7) \end{aligned}$ | $\begin{aligned} & 51 \cdot 4 \\ & (47 \cdot 6 \text { to } 54 \cdot 9) \end{aligned}$ | $\begin{gathered} 73 \cdot 7 \\ (60.8 \text { to } 89 \cdot 4) \end{gathered}$ | $\begin{gathered} 20.6 \\ (16.6 \text { to } 25 \cdot 8) \end{gathered}$ | $\begin{gathered} 9 \\ (6 \text { to } 12) \end{gathered}$ | $\begin{gathered} 9 \\ (6 \text { to 14) } \end{gathered}$ | $\begin{aligned} & 1.47 \\ & \text { (0.98 to } 2.15 \text { ) } \end{aligned}$ |
| Congo <br> (Brazzaville) | $\begin{aligned} & 39 \cdot 2 \\ & (32 \cdot 4 \text { to } 47 \cdot 3) \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-5 \cdot 7 \text { to }-3 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.25 \text { to } 0.37) \end{aligned}$ | $\begin{aligned} & 0.35 \\ & (0.29 \text { to } 0.42) \end{aligned}$ | $\begin{aligned} & 63 \cdot 1 \\ & (60 \cdot 4 \text { to } 65 \cdot 6) \end{aligned}$ | $\begin{aligned} & 60 \cdot 6 \\ & (58 \cdot 1 \text { to } 62 \cdot 9) \end{aligned}$ | $\begin{aligned} & 61 \cdot 8 \\ & \text { (59.2 to } 64 \cdot 2 \text { ) } \end{aligned}$ | $\begin{gathered} 46 \cdot 3 \\ \text { ( } 39 \cdot 6 \text { to } 54 \cdot 4 \text { ) } \end{gathered}$ | $\begin{gathered} 5 \cdot 0 \\ (4 \cdot 2 \text { to } 6 \cdot 1) \end{gathered}$ | $\begin{gathered} 5 \\ (4 \text { to } 6) \end{gathered}$ | $\begin{gathered} 8 \\ \text { (5 to 10) } \end{gathered}$ | $\begin{aligned} & 1.25 \\ & (0.93 \text { to } 1.49) \end{aligned}$ |
| Democratic Republic of the Congo | $\begin{aligned} & 57 \cdot 8 \\ & (48 \cdot 3 \text { to } 71 \cdot 4) \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-5 \cdot 5 \text { to }-3 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.19 \text { to } 0.28) \end{aligned}$ | $\begin{aligned} & 0.35 \\ & (0.30 \text { to } 0.40) \end{aligned}$ | $\begin{aligned} & 64 \cdot 5 \\ & (62 \cdot 3 \text { to } 67 \cdot 0) \end{aligned}$ | $\begin{aligned} & 59 \cdot 0 \\ & (56 \cdot 6 \text { to } 61 \cdot 4) \end{aligned}$ | $\begin{aligned} & 61 \cdot 6 \\ & (59 \cdot 3 \text { to } 64 \cdot 1) \end{aligned}$ | $\begin{aligned} & 698.0 \\ & (595.0 \text { to } 802 \cdot 0) \end{aligned}$ | $\begin{aligned} & 165 \cdot 0 \\ & (137.0 \text { to 204.0) } \end{aligned}$ | $\begin{gathered} 61 \\ (55 \text { to } 67) \end{gathered}$ | $\begin{aligned} & 112 \\ & (96 \text { to } 135) \end{aligned}$ | $\begin{aligned} & 1.02 \\ & \text { (0.91 to } 1.16 \text { ) } \end{aligned}$ |
| Equatorial Guinea | $\begin{aligned} & 46 \cdot 3 \\ & (34 \cdot 6 \text { to } 62 \cdot 3) \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-6.0 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.22 \text { to } 0.38) \end{aligned}$ | $\begin{aligned} & 0.37 \\ & (0.30 \text { to } 0.45) \end{aligned}$ | $\begin{aligned} & 63 \cdot 7 \\ & \text { (58.9 to } 67 \cdot 7 \text { ) } \end{aligned}$ | $\begin{aligned} & 59 \cdot 3 \\ & (55 \cdot 3 \text { to } 62 \cdot 9 \text { ) } \end{aligned}$ | $\begin{aligned} & 61 \cdot 5 \\ & (57 \cdot 2 \text { to } 65 \cdot 3) \end{aligned}$ | $\begin{gathered} 10 \cdot 5 \\ (8.2 \text { to } 13.6) \end{gathered}$ | $\begin{gathered} 1 \cdot 8 \\ (1 \cdot 3 \text { to } 2 \cdot 4) \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to } 2) \end{gathered}$ | $\begin{gathered} 2 \\ (1 \text { to } 3) \end{gathered}$ | $\begin{aligned} & 1.12 \\ & (0.73 \text { to } 1.55) \end{aligned}$ |
| Gabon | $\begin{aligned} & 32.5 \\ & \text { (23.6 to } 44.5) \end{aligned}$ | $\begin{aligned} & -3 \cdot 7 \% \\ & (-5 \cdot 1 \text { to }-2 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.19 \text { to } 0.29) \end{aligned}$ | $\begin{aligned} & 0.35 \\ & (0.29 \text { to } 0.41) \end{aligned}$ | $\begin{aligned} & 67 \cdot 3 \\ & (64 \cdot 0 \text { to } 70 \cdot 2) \end{aligned}$ | $\begin{aligned} & 60 \cdot 9 \\ & (57.8 \text { to } 63 \cdot 6 \text { ) } \end{aligned}$ | $\begin{aligned} & 63 \cdot 9 \\ & (60 \cdot 6 \text { to } 66 \cdot 7) \end{aligned}$ | $\begin{gathered} 15 \cdot 5 \\ \text { (12.9 to 18.7) } \end{gathered}$ | $\begin{gathered} 1.4 \\ (1.0 \text { to } 1.9) \end{gathered}$ | $\begin{gathered} 2 \\ (2 \text { to } 2) \end{gathered}$ | $\begin{gathered} 3 \\ (2 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 1.49 \\ & (1.22 \text { to } 1.69) \end{aligned}$ |
| Eastern subSaharan Africa | $\begin{aligned} & 57 \cdot 9 \\ & (47 \cdot 4 \text { to } 71 \cdot 6) \end{aligned}$ | $\begin{aligned} & -4 \cdot 0 \% \\ & (-5 \cdot 0 \text { to }-3 \cdot 0) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.22 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.36 \\ & (0.33 \text { to } 0.38) \end{aligned}$ | $\begin{aligned} & 64 \cdot 5 \\ & (62 \cdot 9 \text { to } 66 \cdot 0) \end{aligned}$ | $\begin{aligned} & 58 \cdot 9 \\ & (57 \cdot 2 \text { to } 60 \cdot 4) \end{aligned}$ | $\begin{aligned} & 61.5 \\ & (59.8 \text { to } 63 \cdot 0) \end{aligned}$ | $\begin{aligned} & 3330.0 \\ & (3040 \cdot 0 \text { to } \\ & 3700.0) \end{aligned}$ | $\begin{aligned} & 787.0 \\ & (640.0 \text { to } 978.0) \end{aligned}$ | $\begin{aligned} & 282 \\ & (259 \text { to } 305) \end{aligned}$ | $\begin{aligned} & 662 \\ & \text { (594 to 712) } \end{aligned}$ | $\begin{aligned} & 1.17 \\ & (1.07 \text { to } 1.25) \end{aligned}$ |
| Burundi | $\begin{aligned} & 63.9 \\ & \text { (50.0 to 82.0) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 3 \% \\ & (-5 \cdot 4 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.22 \\ & (0.19 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.32 \\ & (0.27 \text { to } 0.36) \end{aligned}$ | $\begin{aligned} & 64.9 \\ & (62 \cdot 6 \text { to } 67 \cdot 2) \end{aligned}$ | $\begin{aligned} & 60 \cdot 0 \\ & (57 \cdot 7 \text { to } 62 \cdot 3) \end{aligned}$ | $\begin{aligned} & 62 \cdot 2 \\ & (59 \cdot 9 \text { to } 64 \cdot 4) \end{aligned}$ | $\begin{gathered} 97.4 \\ \text { (84.8 to } 112.0) \end{gathered}$ | $\begin{gathered} 29 \cdot 6 \\ (23 \cdot 0 \text { to } 38 \cdot 3) \end{gathered}$ | $\begin{gathered} 4 \\ (4 \text { to } 5) \end{gathered}$ | $\begin{gathered} 11 \\ (10 \text { to } 12) \end{gathered}$ | $\begin{aligned} & 0.66 \\ & (0.60 \text { to } 0.70) \end{aligned}$ |
| Comoros | $\begin{aligned} & 48.0 \\ & \text { (39.0 to 58.9) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 7 \% \\ & (-4 \cdot 7 \text { to }-2 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.18 \\ & (0.14 \text { to } 0.22) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.20 \text { to } 0.28) \end{aligned}$ | $\begin{aligned} & 68 \cdot 2 \\ & (65 \cdot 8 \text { to } 70 \cdot 2) \end{aligned}$ | $\begin{aligned} & 64 \cdot 8 \\ & (62 \cdot 5 \text { to } 66 \cdot 9) \end{aligned}$ | $\begin{aligned} & 66 \cdot 5 \\ & (64 \cdot 2 \text { to } 68 \cdot 5) \end{aligned}$ | $\begin{gathered} 5 \cdot 9 \\ \text { (5.1 to } 6.8 \text { ) } \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.7 \text { to } 1.0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to } 1) \end{gathered}$ | $\begin{aligned} & 0.94 \\ & (0.86 \text { to 1.01) } \end{aligned}$ |
| Djibouti | $\begin{aligned} & 37 \cdot 2 \\ & \text { ( } 30 \cdot 1 \text { to } 45 \cdot 6 \text { ) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 1 \% \\ & (-5 \cdot 1 \text { to }-3 \cdot 0) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.18 \text { to } 0.29) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.26 \text { to } 0.38) \end{aligned}$ | $\begin{aligned} & 67.0 \\ & (63 \cdot 4 \text { to } 70.0) \end{aligned}$ | $\begin{aligned} & 62 \cdot 3 \\ & (59 \cdot 0 \text { to } 65 \cdot 1) \end{aligned}$ | $\begin{aligned} & 64 \cdot 3 \\ & (60 \cdot 9 \text { to } 67 \cdot 2) \end{aligned}$ | $\begin{gathered} 9 \cdot 3 \\ (7 \cdot 5 \text { to } 11 \cdot 6) \end{gathered}$ | $\begin{gathered} 1.1 \\ (0.9 \text { to } 1.4) \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to } 2) \end{gathered}$ | $\begin{gathered} 2 \\ (1 \text { to } 3) \end{gathered}$ | $\begin{aligned} & 1.38 \\ & \text { (0.98 to 1.72) } \end{aligned}$ |
| Eritrea | $\begin{aligned} & 45 \cdot 5 \\ & (34 \cdot 4 \text { to } 60 \cdot 3) \end{aligned}$ | $\begin{aligned} & -3 \cdot 5 \% \\ & (-4 \cdot 9 \text { to }-2 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.20 \text { to } 0.31) \end{aligned}$ | $\begin{aligned} & 0.38 \\ & (0.32 \text { to } 0.46) \end{aligned}$ | $\begin{aligned} & 64 \cdot 8 \\ & (61 \cdot 5 \text { to } 67.8) \end{aligned}$ | $\begin{aligned} & 58 \cdot 7 \\ & (55 \cdot 2 \text { to } 61 \cdot 7 \text { ) } \end{aligned}$ | $\begin{aligned} & 61 \cdot 7 \\ & \text { (58.3 to } 64 \cdot 7 \text { ) } \end{aligned}$ | $\begin{gathered} 50 \cdot 8 \\ (41 \cdot 6 \text { to } 62 \cdot 3) \end{gathered}$ | $\begin{gathered} 8.8 \\ (6.6 \text { to } 11.7) \end{gathered}$ | $\begin{gathered} 1 \\ (1 \text { to } 2) \end{gathered}$ | $\begin{gathered} 7 \\ (5 \text { to } 7) \end{gathered}$ | $\begin{aligned} & 0.52 \\ & (0.44 \text { to } 0.60) \end{aligned}$ |
| Ethiopia | $\begin{aligned} & 52 \cdot 2 \\ & (41.8 \text { to } 65 \cdot 1) \end{aligned}$ | $\begin{aligned} & -4.8 \% \\ & (-5 \cdot 8 \text { to }-3 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.17 \text { to } 0.22) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.25 \text { to } 0.32) \end{aligned}$ | $\begin{aligned} & 67 \cdot 5 \\ & (65 \cdot 7 \text { to } 69 \cdot 2) \end{aligned}$ | $\begin{aligned} & 62 \cdot 0 \\ & (60 \cdot 3 \text { to } 63 \cdot 7) \end{aligned}$ | $\begin{aligned} & 64 \cdot 5 \\ & (63 \cdot 1 \text { to } 65 \cdot 8) \end{aligned}$ | $\begin{aligned} & 737.0 \\ & \text { (678.0 to 805.0) } \end{aligned}$ | $\begin{aligned} & 180.0 \\ & (143.0 \text { to } 225.0) \end{aligned}$ | $\begin{gathered} 72 \\ (67 \text { to } 78) \end{gathered}$ | $\begin{aligned} & 157 \\ & (143 \text { to } 170) \end{aligned}$ | $\begin{aligned} & 1.14 \\ & (1.04 \text { to } 1.23) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  | (Table 1 continue | es on next page) |



|  | Under-5 mortality |  | Probability of death between ages 15 and 59 years, 2021 |  | Life expectancy at birth in 2021 (years) |  |  | Total deaths in 2021 <br> (thousands) | Total deaths among children younger than 5 years in 2021 (thousands) | Excess deaths due to COVID-19 in 2020 (thousands) | Excess deaths due to COVID-19 in 2021 (thousands) | Excess mortality rate due to COVID-19, 2020-21 (deaths per 1000) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mortality rate in 2021 <br> (deaths <br> per 1000) | Annualised rate of change, 2000-21 | Females | Males | Females | Males | Both sexes |  |  |  |  |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |
| Burkina Faso | $\begin{aligned} & 95 \cdot 5 \\ & (77 \cdot 9 \text { to 117.0) } \end{aligned}$ | $\begin{aligned} & -3.0 \% \\ & (-4.0 \text { to }-2.0) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.18 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 0.33 \\ & (0.29 \text { to } 0.37 \text { ) } \end{aligned}$ | $\begin{aligned} & 63 \cdot 0 \\ & (60 \cdot 7 \text { to } 65 \cdot 1) \end{aligned}$ | $\begin{aligned} & 57 \cdot 4 \\ & \text { (54.9 to } 59 \cdot 6 \text { ) } \end{aligned}$ | $\begin{aligned} & 60 \cdot 1 \\ & (57 \cdot 6 \text { to } 62 \cdot 3) \end{aligned}$ | $\begin{aligned} & 218.0 \\ & (192.0 \text { to } 249.0) \end{aligned}$ | $\begin{gathered} 87.8 \\ \text { (71.1 to 109.0) } \end{gathered}$ | $\begin{gathered} 15 \\ (14 \text { to 16) } \end{gathered}$ | $\begin{gathered} 25 \\ (19 \text { to 28) } \end{gathered}$ | $\begin{aligned} & 0.95 \\ & (0.82 \text { to } 1.04) \end{aligned}$ |
| Cabo Verde | $\begin{aligned} & 15 \cdot 0 \\ & (11 \cdot 3 \text { to } 19 \cdot 7) \end{aligned}$ | $\begin{aligned} & -5.8 \% \\ & (-7.3 \text { to }-4 \cdot 2) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.08 \\ & (0.07 \text { to } 0.10) \end{aligned}$ | $\begin{aligned} & 0.20 \\ & (0.17 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 77.8 \\ & \text { (75.8 to 79.8) } \end{aligned}$ | $\begin{aligned} & 69 \cdot 0 \\ & (66 \cdot 8 \text { to } 71 \cdot 2) \end{aligned}$ | $\begin{aligned} & 73 \cdot 2 \\ & \text { (71•1 to } 75 \cdot 4) \end{aligned}$ | $\begin{gathered} 3.7 \\ \text { (3.1 to } 4 \cdot 2 \text { ) } \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.2) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{aligned} & 0.41 \\ & (0.23 \text { to } 0.64) \end{aligned}$ |
| Cameroon | $\begin{aligned} & 65 \cdot 5 \\ & (54 \cdot 3 \text { to } 77 \cdot 6) \end{aligned}$ | $\begin{aligned} & -3 \cdot 2 \% \\ & (-4 \cdot 1 \text { to }-2 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.26 \\ & (0.21 \text { to } 0.31) \end{aligned}$ | $\begin{aligned} & 0.36 \\ & (0.31 \text { to } 0.42) \end{aligned}$ | $\begin{aligned} & 63 \cdot 6 \\ & (60 \cdot 6 \text { to } 66 \cdot 1) \end{aligned}$ | $\begin{aligned} & 58 \cdot 5 \\ & (55 \cdot 7 \text { to } 60 \cdot 8) \end{aligned}$ | $\begin{aligned} & 60 \cdot 8 \\ & (58 \cdot 0 \text { to } 63 \cdot 2) \end{aligned}$ | $\begin{aligned} & 261 \cdot 0 \\ & (225 \cdot 0 \text { to } 308 \cdot 0) \end{aligned}$ | $\begin{gathered} 67.6 \\ (55 \cdot 6 \text { to } 80.4) \end{gathered}$ | $\begin{gathered} 16 \\ \text { (14 to 17) } \end{gathered}$ | $\begin{gathered} 46 \\ (39 \text { to } 51) \end{gathered}$ | $\begin{aligned} & 1.03 \\ & (0.91 \text { to } 1.14) \end{aligned}$ |
| Chad | $\begin{aligned} & 112.0 \\ & (94.6 \text { to 134.0) } \end{aligned}$ | $\begin{aligned} & -2 \cdot 3 \% \\ & (-3 \cdot 2 \text { to }-1 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.20 \text { to } 0.30) \end{aligned}$ | $\begin{aligned} & 0.33 \\ & (0.28 \text { to } 0.39) \end{aligned}$ | $\begin{aligned} & 60 \cdot 5 \\ & (56 \cdot 9 \text { to } 63 \cdot 5) \end{aligned}$ | $\begin{aligned} & 56.5 \\ & (52.5 \text { to } 59.8) \end{aligned}$ | $\begin{aligned} & 58 \cdot 3 \\ & (54 \cdot 5 \text { to } 61 \cdot 5) \end{aligned}$ | $\begin{gathered} 182.0 \\ (153.0 \text { to } 220.0) \end{gathered}$ | $\begin{aligned} & 92 \cdot 9 \\ & (77 \cdot 9 \text { to 112.0) } \end{aligned}$ | $\begin{gathered} 14 \\ (11 \text { to 16) } \end{gathered}$ | $\begin{gathered} 12 \\ (9 \text { to 14) } \end{gathered}$ | $\begin{aligned} & 0.80 \\ & (0.63 \text { to } 0.90) \end{aligned}$ |
| Côted'lvoire | $\begin{aligned} & 68.5 \\ & (58.2 \text { to } 80 \cdot 6) \end{aligned}$ | $\begin{aligned} & -3 \cdot 4 \% \\ & (-4.2 \text { to }-2.5) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.17 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.26 \text { to } 0.36) \end{aligned}$ | $\begin{aligned} & 65 \cdot 8 \\ & (63 \cdot 1 \text { to } 68 \cdot 4) \end{aligned}$ | $\begin{aligned} & 60 \cdot 3 \\ & \text { (57.6 to } 62 \cdot 7 \text { ) } \end{aligned}$ | $\begin{aligned} & 62 \cdot 7 \\ & (59 \cdot 9 \text { to } 65 \cdot 1) \end{aligned}$ | $\begin{gathered} 209.0 \\ (181.0 \text { to } 244.0) \end{gathered}$ | $\begin{gathered} 64 \cdot 4 \\ (54 \cdot 3 \text { to } 76 \cdot 1) \end{gathered}$ | $\begin{gathered} 19 \\ (17 \text { to 20) } \end{gathered}$ | $\begin{gathered} 24 \\ (21 \text { to } 28) \end{gathered}$ | $\begin{aligned} & 0.80 \\ & (0.71 \text { to } 0.88) \end{aligned}$ |
| The Gambia | $\begin{aligned} & 44 \cdot 2 \\ & (35 \cdot 3 \text { to } 55 \cdot 4) \end{aligned}$ | $\begin{aligned} & -4 \cdot 0 \% \\ & (-5 \cdot 1 \text { to }-2 \cdot 9) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.19 \text { to } 0.28) \end{aligned}$ | $\begin{aligned} & 0.34 \\ & (0.29 \text { to } 0.39) \end{aligned}$ | $\begin{aligned} & 65 \cdot 9 \\ & (63 \cdot 4 \text { to } 68 \cdot 2) \end{aligned}$ | $\begin{aligned} & 60 \cdot 9 \\ & (58 \cdot 5 \text { to } 63 \cdot 2) \end{aligned}$ | $\begin{aligned} & 63 \cdot 2 \\ & (60 \cdot 9 \text { to } 65 \cdot 5) \end{aligned}$ | $\begin{gathered} 17 \cdot 6 \\ (15 \cdot 2 \text { to } 20 \cdot 3) \end{gathered}$ | $\begin{gathered} 42 \cdot 0 \\ (32 \cdot 3 \text { to } 53 \cdot 9) \end{gathered}$ | $\begin{gathered} 2 \\ (2 \text { to } 3) \end{gathered}$ | $\begin{gathered} 3 \\ (2 \text { to } 3) \end{gathered}$ | $\begin{aligned} & 1 \cdot 16 \\ & (1.01 \text { to } 1 \cdot 33) \end{aligned}$ |
| Ghana | $\begin{aligned} & 43 \cdot 4 \\ & (33 \cdot 6 \text { to } 55 \cdot 5) \end{aligned}$ | $\begin{aligned} & -4 \cdot 0 \% \\ & (-5 \cdot 2 \text { to }-2 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.18 \text { to } 0.25) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.27 \text { to } 0.36) \end{aligned}$ | $\begin{aligned} & 67 \cdot 4 \\ & (65 \cdot 0 \text { to } 69 \cdot 6) \end{aligned}$ | $\begin{aligned} & 61 \cdot 7 \\ & (59 \cdot 5 \text { to } 63 \cdot 9) \end{aligned}$ | $\begin{aligned} & 64 \cdot 6 \\ & (62 \cdot 3 \text { to } 66 \cdot 7) \end{aligned}$ | $\begin{aligned} & 250 \cdot 0 \\ & \text { (215.0 to 289.0) } \end{aligned}$ | $\begin{gathered} 42 \cdot 6 \\ (35 \cdot 3 \text { to } 51 \cdot 5) \end{gathered}$ | $\begin{gathered} 18 \\ (16 \text { to } 20) \end{gathered}$ | $\begin{gathered} 40 \\ (32 \text { to } 48) \end{gathered}$ | $\begin{aligned} & 0.93 \\ & (0.80 \text { to } 1.05) \end{aligned}$ |
| Guinea | $\begin{aligned} & 86 \cdot 8 \\ & (72 \cdot 7 \text { to 104.0) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 4 \% \\ & (-4 \cdot 3 \text { to }-2 \cdot 5) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.20 \text { to } 0.30) \end{aligned}$ | $\begin{aligned} & 0.32 \\ & (0.27 \text { to } 0.38) \end{aligned}$ | $\begin{aligned} & 62 \cdot 2 \\ & (58 \cdot 9 \text { to } 65 \cdot 1) \end{aligned}$ | $\begin{aligned} & 58 \cdot 2 \\ & (54 \cdot 6 \text { to } 61 \cdot 2) \end{aligned}$ | $\begin{aligned} & 60 \cdot 1 \\ & (56 \cdot 6 \text { to } 63 \cdot 0) \end{aligned}$ | $\begin{aligned} & 127 \cdot 0 \\ & (107 \cdot 0 \text { to } 152 \cdot 0) \end{aligned}$ | $\begin{gathered} 4 \cdot 4 \\ (3 \cdot 6 \text { to } 5 \cdot 4) \end{gathered}$ | $\begin{gathered} 14 \\ (12 \text { to 17) } \end{gathered}$ | $\begin{gathered} 19 \\ (13 \text { to } 23) \end{gathered}$ | $\begin{aligned} & 1.37 \\ & (1.07 \text { to } 1.64) \end{aligned}$ |
| Guinea-Bissau | $\begin{aligned} & 61 \cdot 8 \\ & (50 \cdot 9 \text { to } 75 \cdot 1 \text { ) } \end{aligned}$ | $\begin{aligned} & -4 \cdot 6 \% \\ & (-5 \cdot 6 \text { to }-3 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.31 \\ & (0.25 \text { to } 0.37) \end{aligned}$ | $\begin{aligned} & 0.45 \\ & (0.38 \text { to } 0.53) \end{aligned}$ | $\begin{aligned} & 61 \cdot 3 \\ & (58 \cdot 8 \text { to } 63 \cdot 8) \end{aligned}$ | $\begin{aligned} & 55 \cdot 1 \\ & \text { (52.4 to } 57 \cdot 7 \text { ) } \end{aligned}$ | $\begin{aligned} & 58 \cdot 1 \\ & (55 \cdot 6 \text { to } 60 \cdot 7) \end{aligned}$ | $\begin{gathered} 18.4 \\ (15.8 \text { to } 21 \cdot 2) \end{gathered}$ | $\begin{gathered} 10 \cdot 9 \\ (8 \cdot 4 \text { to } 14 \cdot 4) \end{gathered}$ | $\begin{gathered} 3 \\ \text { (3 to 3) } \end{gathered}$ | $\begin{gathered} 3 \\ (1 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 1.45 \\ & (1.07 \text { to } 1.77) \end{aligned}$ |
| Liberia | $\begin{aligned} & 66.9 \\ & (51.7 \text { to } 87.8) \end{aligned}$ | $\begin{aligned} & -4 \cdot 5 \% \\ & (-5 \cdot 7 \text { to }-3 \cdot 1) \end{aligned}$ | $\begin{aligned} & 0.23 \\ & (0.19 \text { to } 0.29) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.24 \text { to } 0.34) \end{aligned}$ | $\begin{aligned} & 64 \cdot 1 \\ & (60 \cdot 1 \text { to } 67 \cdot 4) \end{aligned}$ | $\begin{aligned} & 61 \cdot 6 \\ & (57 \cdot 7 \text { to } 64 \cdot 8) \end{aligned}$ | $\begin{aligned} & 62 \cdot 7 \\ & (58 \cdot 9 \text { to } 66 \cdot 0) \end{aligned}$ | $\begin{gathered} 39 \cdot 5 \\ (32 \cdot 2 \text { to } 49 \cdot 3) \end{gathered}$ | $\begin{aligned} & 101 \cdot 0 \\ & \text { (83.9 to 124.0) } \end{aligned}$ | $\begin{gathered} 3 \\ \text { (3 to 4) } \end{gathered}$ | $\begin{gathered} 4 \\ (4 \text { to } 5) \end{gathered}$ | $\begin{aligned} & 0.88 \\ & (0.77 \text { to } 1.00) \end{aligned}$ |
| Mali | $\begin{aligned} & 97.7 \\ & (81 \cdot 4 \text { to 118.0) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 3 \% \\ & (-4 \cdot 1 \text { to }-2 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.22 \text { to } 0.30) \end{aligned}$ | $\begin{aligned} & 0.32 \\ & (0.28 \text { to } 0.36) \end{aligned}$ | $\begin{aligned} & 61 \cdot 1 \\ & (58 \cdot 8 \text { to } 63 \cdot 2) \end{aligned}$ | $\begin{aligned} & 57 \cdot 3 \\ & \text { ( } 55 \cdot 1 \text { to } 59 \cdot 2 \text { ) } \end{aligned}$ | $\begin{aligned} & 59 \cdot 1 \\ & (56 \cdot 8 \text { to } 61 \cdot 0) \end{aligned}$ | $\begin{aligned} & 234.0 \\ & \text { (208.0 to 265.0) } \end{aligned}$ | $\begin{gathered} 4.6 \\ (3.8 \text { to } 5 \cdot 5) \end{gathered}$ | $\begin{gathered} 21 \\ (18 \text { to 23) } \end{gathered}$ | $\begin{gathered} 36 \\ (33 \text { to } 40) \end{gathered}$ | $\begin{aligned} & 1.28 \\ & (1.17 \text { to } 1.36) \end{aligned}$ |
| Mauritania | $\begin{aligned} & 33 \cdot 7 \\ & (28 \cdot 3 \text { to } 40 \cdot 2) \end{aligned}$ | $\begin{aligned} & -4 \cdot 3 \% \\ & (-5 \cdot 2 \text { to }-3 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.17 \\ & (0.13 \text { to } 0.21) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.15 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 70 \cdot 1 \\ & (67 \cdot 4 \text { to } 72 \cdot 5) \end{aligned}$ | $\begin{aligned} & 68 \cdot 4 \\ & (65 \cdot 6 \text { to } 71 \cdot 0) \end{aligned}$ | $\begin{aligned} & 69 \cdot 2 \\ & (66 \cdot 5 \text { to } 71 \cdot 7) \end{aligned}$ | $\begin{gathered} 25 \cdot 0 \\ (21.0 \text { to } 30 \cdot 1) \end{gathered}$ | $\begin{aligned} & 100.0 \\ & \text { (80.9 to 124.0) } \end{aligned}$ | $\begin{gathered} 3 \\ \text { (3to 4) } \end{gathered}$ | $\begin{gathered} 3 \\ (2 \text { to } 4) \end{gathered}$ | $\begin{aligned} & 0.82 \\ & (0.66 \text { to } 0.93) \end{aligned}$ |
| Niger | $\begin{aligned} & 88.7 \\ & (72 \cdot 1 \text { to } 110.0) \end{aligned}$ | $\begin{aligned} & -4 \cdot 4 \% \\ & (-5 \cdot 3 \text { to }-3 \cdot 4) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.17 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.28 \\ & (0.23 \text { to } 0.33) \end{aligned}$ | $\begin{aligned} & 63 \cdot 5 \\ & (60 \cdot 0 \text { to } 66 \cdot 6) \end{aligned}$ | $\begin{aligned} & 60 \cdot 1 \\ & (56 \cdot 3 \text { to } 63 \cdot 4) \end{aligned}$ | $\begin{aligned} & 61 \cdot 8 \\ & (58 \cdot 1 \text { to } 65 \cdot 0) \end{aligned}$ | $\begin{aligned} & 206.0 \\ & (170.0 \text { to 253.0) } \end{aligned}$ | $\begin{aligned} & 787.0 \\ & (662.0 \text { to } 938.0) \end{aligned}$ | $\begin{gathered} 13 \\ (12 \text { to } 15) \end{gathered}$ | $\begin{gathered} 17 \\ (13 \text { to } 20) \end{gathered}$ | $\begin{aligned} & 0.66 \\ & (0.56 \text { to } 0.74) \end{aligned}$ |
| Nigeria | $\begin{aligned} & 96 \cdot 3 \\ & (81 \cdot 8 \text { to 114.0) } \end{aligned}$ | $\begin{aligned} & -3 \cdot 1 \% \\ & (-3 \cdot 9 \text { to }-2 \cdot 2) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.15 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 0.25 \\ & (0.21 \text { to } 0.31) \end{aligned}$ | $\begin{aligned} & 65 \cdot 0 \\ & (62 \cdot 2 \text { to } 67 \cdot 4) \end{aligned}$ | $\begin{aligned} & 60 \cdot 7 \\ & \text { (58.0 to } 63 \cdot 1 \text { ) } \end{aligned}$ | $\begin{aligned} & 62.8 \\ & (60.8 \text { to } 64 \cdot 6) \end{aligned}$ | $\begin{aligned} & 1820.0 \\ & \begin{array}{l} 1650.0 \text { to } \\ \text { 2030.0) } \end{array} \end{aligned}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{aligned} & 106 \\ & (96 \text { to 116) } \end{aligned}$ | $\begin{aligned} & 186 \\ & (167 \text { to 210) } \end{aligned}$ | $\begin{aligned} & 0.67 \\ & (0.62 \text { to } 0.73) \end{aligned}$ |
| São Tomé and Príncipe | $\begin{aligned} & 17 \cdot 8 \\ & (13 \cdot 5 \text { to } 23 \cdot 2) \end{aligned}$ | $\begin{aligned} & -7.1 \% \\ & (-8 \cdot 4 \text { to }-5 \cdot 7) \end{aligned}$ | $\begin{aligned} & 0.15 \\ & (0.12 \text { to } 0.19) \end{aligned}$ | $\begin{aligned} & 0.20 \\ & (0.17 \text { to } 0.24) \end{aligned}$ | $\begin{aligned} & 72 \cdot 2 \\ & (70 \cdot 1 \text { to } 74 \cdot 1) \end{aligned}$ | $\begin{aligned} & 68 \cdot 6 \\ & (66 \cdot 5 \text { to } 70 \cdot 3) \end{aligned}$ | $\begin{aligned} & 70 \cdot 4 \\ & (68 \cdot 3 \text { to } 72 \cdot 1) \end{aligned}$ | $\begin{gathered} 1.1 \\ (1.0 \text { to } 1.3) \end{gathered}$ | $\begin{gathered} 19 \cdot 3 \\ (16 \cdot 1 \text { to } 23 \cdot 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{gathered} 0 \\ (0 \text { to } 0) \end{gathered}$ | $\begin{aligned} & 0.51 \\ & (0.47 \text { to } 0.55) \end{aligned}$ |
| Senegal | $\begin{aligned} & 40 \cdot 5 \\ & (33 \cdot 9 \text { to } 47 \cdot 9) \end{aligned}$ | $\begin{aligned} & -5 \cdot 2 \% \\ & (-6.0 \text { to }-4 \cdot 3) \end{aligned}$ | $\begin{aligned} & 0.19 \\ & (0.16 \text { to } 0.23) \end{aligned}$ | $\begin{aligned} & 0.27 \\ & (0.23 \text { to } 0.31) \end{aligned}$ | $\begin{aligned} & 68 \cdot 2 \\ & (65 \cdot 8 \text { to } 70 \cdot 2) \end{aligned}$ | $\begin{aligned} & 63 \cdot 7 \\ & (61 \cdot 4 \text { to } 65 \cdot 8) \end{aligned}$ | $\begin{aligned} & 65 \cdot 9 \\ & (63 \cdot 5 \text { to } 67 \cdot 9) \end{aligned}$ | $\begin{gathered} 111 \cdot 0 \\ (96 \cdot 4 \text { to } 130 \cdot 0) \end{gathered}$ | $\begin{gathered} 28.9 \\ (22.8 \text { to } 36 \cdot 4) \end{gathered}$ | $\begin{gathered} 12 \\ (10 \text { to 14) } \end{gathered}$ | $\begin{gathered} 22 \\ (19 \text { to } 25) \end{gathered}$ | $\begin{aligned} & 1.15 \\ & (0.97 \text { to } 1.26) \end{aligned}$ |
| Sierra Leone | $\begin{aligned} & 97 \cdot 2 \\ & (77 \cdot 3 \text { to 121.0) } \end{aligned}$ | $\begin{aligned} & -3.9 \% \\ & (-5.0 \text { to }-2.8) \end{aligned}$ | $\begin{aligned} & 0.24 \\ & (0.19 \text { to } 0.29) \end{aligned}$ | $\begin{aligned} & 0.29 \\ & (0.24 \text { to } 0.34) \end{aligned}$ | $\begin{aligned} & 62 \cdot 1 \\ & (58 \cdot 2 \text { to } 65 \cdot 5) \end{aligned}$ | $\begin{aligned} & 59 \cdot 2 \\ & (54 \cdot 9 \text { to } 62 \cdot 8) \end{aligned}$ | $\begin{aligned} & 60 \cdot 6 \\ & (56 \cdot 5 \text { to } 64 \cdot 1) \end{aligned}$ | $\begin{gathered} 79 \cdot 5 \\ (65 \cdot 3 \text { to } 97 \cdot 7) \end{gathered}$ | $\begin{gathered} 3.4 \\ (2.7 \text { to } 4.2) \end{gathered}$ | $\begin{gathered} 6 \\ (5 \text { to } 7) \end{gathered}$ | $\begin{gathered} 6 \\ \text { (5 to 7) } \end{gathered}$ | $\begin{aligned} & 0.75 \\ & (0.67 \text { to } 0.83) \end{aligned}$ |
| Togo | $\begin{aligned} & 56 \cdot 7 \\ & (45 \cdot 7 \text { to } 70 \cdot 8) \end{aligned}$ | $\begin{aligned} & -3.7 \% \\ & (-4.8 \text { to }-2 \cdot 6) \end{aligned}$ | $\begin{aligned} & 0.21 \\ & (0.18 \text { to } 0.26) \end{aligned}$ | $\begin{aligned} & 0.33 \\ & (0.28 \text { to } 0.39) \end{aligned}$ | $\begin{aligned} & 66 \cdot 0 \\ & (62 \cdot 7 \text { to } 69 \cdot 0) \end{aligned}$ | $\begin{aligned} & 60 \cdot 2 \\ & (56 \cdot 6 \text { to } 63 \cdot 2) \end{aligned}$ | $\begin{aligned} & 63 \cdot 1 \\ & (59 \cdot 6 \text { to } 66 \cdot 2) \end{aligned}$ | $\begin{gathered} 62 \cdot 8 \\ (51 \cdot 4 \text { to } 77 \cdot 5) \end{gathered}$ | $\begin{gathered} 13 \cdot 8 \\ (11 \cdot 1 \text { to } 17 \cdot 4) \end{gathered}$ | $\begin{gathered} 3 \\ \text { (3 to 4) } \end{gathered}$ | $\begin{gathered} 8 \\ (6 \text { to } 9) \end{gathered}$ | $\begin{aligned} & 0.72 \\ & (0.57 \text { to } 0.82) \end{aligned}$ |

All-cause mortality rates differed between sexes, and the extent of this difference varied across age groups and by location. Female mortality was generally lower than male mortality in all age groups, with substantial heterogeneity across countries and territories (figure 3). The highest variability in the ratio of male to female mortality rates across countries and territories was found in the 15-39 age groups; although little change in the mortality sex ratio has been observed between locations over time, the ratio generally increased between 1970 and 2021, indicating that the gap between male and female mortality has been increasing, generally driven by mortality rates among females decreasing at a faster rate than among males. Globally in 2021, the mortality rate for


Figure 4: Annual change in all-cause deaths by GBD super-region across three age groups, 1970-2021 Annual change is defined as the difference between the number of deaths in the current year and the preceding year. The $y$-axes scales differ by age groups. The large change in the $5-24$ years group between 1994 and 1995 was due to deaths during the Rwandan genocide. Different colours show GBD super-regions. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study.
males aged $15-39$ years was $65 \cdot 9 \%$ ( $95 \%$ UI $56 \cdot 8-74 \cdot 7$ ) higher than for females. The widening gap between males and females was also observed for nearly all age groups aged 40 years and older. In the neonatal age groups, the ratio of male to female mortality rates declined slightly over time towards 1 , while the variability among countries and territories remained similar. Individuals aged 40 years and older had a consistent pattern of an increasing ratio of male to female mortality rates over time, with increased variability observed among those aged 65 years and older across countries and territories from 1970 to 2000, followed by little change in variability from 2000 to 2021.
Despite declines in age-standardised all-cause mortality rates during the study period, the global number of deaths due to all causes combined increased from 44.0 million ( $95 \%$ UI $40 \cdot 3-47 \cdot 7$ ) in 1950 to $50 \cdot 3$ million (49.3-51.4) in 2000 and 57.0 million (54.9-59.6) in 2019, largely reflecting a growing population and changing age structures. Global deaths further increased to $63 \cdot 1$ million (60.6-65.9) in 2020 and 67.9 million ( $65 \cdot 0-70 \cdot 8$ ) in 2021, a notable spike attributable to the COVID-19 pandemic (table 1). Since 1970, the number of global deaths in the 25 years and older age group had increased steadily, until an unprecedented increase in 2020-21 (figure 4). This increase was observed across all GBD super-regions, with the exception of central Europe, eastern Europe, and central Asia, from 2000 to 2019. In contrast, deaths in children under 5 years declined over the entire study period, including during the COVID-19 pandemic period, with death counts of $20 \cdot 0$ million ( $17 \cdot 2-23 \cdot 0$ ) in 1950, 9.21 million ( $8 \cdot 73-9 \cdot 73$ ) in 2000, $5 \cdot 21$ million (4.50-6.01) in 2019, $4 \cdot 89$ million (4.19-5.71) in 2020, and 4.66 million ( $3 \cdot 98-5 \cdot 50$ ) in 2021 (appendix 2 table S1). Initially, most of this decline could be attributed to declines in both U5MR and the under-5 population in southeast Asia, east Asia, and Oceania (especially China) until a tapering off around the year 2000. After this, the share of the decline attributed to sub-Saharan Africa began to increase, and this pattern continued during 2021 (figure 4). The largest number of under-5 deaths was observed in south Asia and sub-Saharan Africa during the pandemic, with south Asia accounting for $25 \cdot 7 \%(24 \cdot 1-27 \cdot 2)$ of all deaths in children under 5 years in 2020 and $25 \cdot 3 \%(24 \cdot 0-26 \cdot 6)$ in 2021, and sub-Saharan Africa accounting for $55 \cdot 5 \%$ (53.2-57.7) in 2020 and $56 \cdot 3 \%(54 \cdot 1-58 \cdot 4)$ in 2021. The number of global deaths in the intermediate age group (ages 5-24 years) demonstrates large yearly variability with no clear patterns, since deaths in this age group were heavily impacted by mortality shocks such as the Rwandan genocide in 1994 and natural disasters such as the earthquake in Haiti in 2010. Deaths in this age group increased slightly during 2020 and 2021 in most superregions, but these increases were minimal compared with previous years, and in comparison to the increase observed in ages 25 years and older.

Historically, global life expectancy at birth has increased steadily; between 1950 and 2021, global life expectancy at birth increased by 22.7 years ( $95 \%$ UI 20.8 to $24 \cdot 8$ ), from 49.0 years ( 46.7 to 51.3 ) to 71.7 years ( $70 \cdot 9$ to $72 \cdot 5$; table 1 ; appendix 2 table S4). Life expectancy improved for females from 51.6 years ( 49.4 to 53.8 ) in 1950 to 76.0 years ( 75.2 to $76 \cdot 7$ ) in 2019 and for males from 46.7 years ( 44.3 to $49 \cdot 2$ ) in 1950 to $70 \cdot 8$ years ( $69 \cdot 9$ to $71 \cdot 7$ ) in 2019 (figure 5). At the super-region level, the largest increases in life expectancy occurred in south Asia and north Africa and the Middle East, while at the national level, some of the largest increases were in South Korea and Iran (appendix 2 table S4). During this time period, the smallest gains in life expectancy occurred in the central Europe, eastern Europe, and central Asia and high-income superregions and, at the national level, in Ukraine and Lesotho. Increasing life expectancy was generally consistent across all super-regions over the entire period, with the exception of mortality shocks in several locations, stagnation in sub-Saharan Africa during the HIV/AIDS epidemic, and slow progress in central Europe, eastern Europe, and central Asia before the mid-2000s. In 2020 and 2021, however, these trends reversed. Between 2019 and 2021, global life expectancy declined by 1.6 years ( 1.0 to 2.2 ); all super-regions had decreases in life expectancy during this period, ranging from a 3.7 year ( 3.4 to 4.1 ) decline in Latin America and the Caribbean to a 0.3 year ( -1.9 to 1.3 ) decline in southeast Asia, east Asia, and Oceania (appendix 2 table S4). An increase in life expectancy during this period was only observed in 32 ( $15 \cdot 7 \%$ ) of 204 countries and territories.

## Excess mortality due to the COVID-19 pandemic

We estimated $5 \cdot 89$ million ( $95 \%$ UI $5 \cdot 48-6 \cdot 44$ ) excess deaths globally attributable to the COVID-19 pandemic in 2020 and $9 \cdot 97$ million ( $9 \cdot 26-10 \cdot 9$ ) excess deaths in 2021 (table 1). The GBD super-regions with the highest all-age excess mortality rates in 2020 and 2021 combined were central Europe, eastern Europe, and central Asia ( 269.7 excess deaths per 100000 population [250.0-289.6]) and Latin America and the Caribbean (199.0 [184.7-215.4]). The super-regions with the lowest all-age excess mortality rates during this time period were southeast Asia, east Asia, and Oceania (23.8 [8.9-44.1]) and high-income (90.2 [87.2-93.2]; appendix 2 figure $S 2$ ). At the national level, in 2020 and 2021 combined, all-age excess mortality rates were highest in Bulgaria ( $520 \cdot 8$ [382.0-630.0]) and Lesotho ( $447 \cdot 0$ [379•3-514.0]), the highest rate in 2020 was in Peru (413.4 [410•3-416•1]), and the highest rate in 2021 was in Bulgaria (697.5 [532.4-830.5]; appendix 2 figure S 2 ). For seven countries and territories (Taiwan [province of China], Mongolia, Japan, New Zealand, Iceland, Antigua and Barbuda, and Barbados), the all-age excess mortality rate for 2020 and 2021 combined was negative, indicating that fewer deaths occurred in these locations during the


Figure 5: Life expectancy at birth across GBD super-regions and SDI quintiles in females and males, 1950-2021 The different colours represent GBD super-regions in the top row and SDI quintiles in the bottom row. The decline in life expectancy in 1960 for the southeast Asia, east Asia, and Oceania super-region was due to famine. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study. SDI=Socio-demographic Index.
first 2 years of the pandemic than what would be expected based on past trends. In 2020, 20 countries and territories had negative excess mortality, while in 2021, only New Zealand and Barbados had negative excess mortality (table 1).
Additionally, we computed age-standardised excess mortality rates to compare the impact of the pandemic across countries and territories while controlling for different population age structures. Age-standardised rates and all-age rates differed substantially, with the highest age-standardised excess mortality rates observed in nations in sub-Saharan Africa, Latin America, and the Middle East (figure 6). The lowest age-standardised rates were found in some countries and territories in the Caribbean, east Asia, and Oceania, and some highincome nations. There was substantial variability within all super-regions. The countries or territories with the highest age-standardised rates during 2020 and 2021 combined were Eswatini ( 992.5 age-standardised excess deaths per 100000 population [ $95 \%$ UI $745 \cdot 5$ to 1173•2]), Lesotho (874.3 [734.7 to 1009.4]), and Somalia ( $715 \cdot 6$ [549.3 to $912 \cdot 7]$ ]); the nations with the lowest rates were Barbados ( $-61 \cdot 5$ [ $-111 \cdot 6$ to $-13 \cdot 1]$ ), Mongolia

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Figure 6: Global distribution of age-standardised excess mortality rates due to the COVID-19 pandemic, 2020 and 2021 combined
Mortality rates are expressed as the number of deaths per 100000 population. Excess mortality rates are negative in countries and territories where fewer deaths occurred than predicted.


Figure 7: National life expectancy at birth versus SDI, and expected life expectancy based on SDI, in females and males in 1950, 1990, and 2021
Life expectancy at birth is shown for 204 countries and territories coloured by GBD super-region. Transparent points in all plots show every fifth year between 1950 and 2015, and 2021 in the first two columns. The black line represents the expected life expectancy at birth based on SDI, and the shaded area corresponds to $95 \%$ uncertainty intervals. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study. SDI=Socio-demographic Index.
(-32.9 [-209.6 to $131 \cdot 0]$ ), and Antigua and Barbuda $(-13 \cdot 7[-55 \cdot 5$ to $27 \cdot 9])$.

## Estimated mortality versus expected mortality based on SDI

Between 1950 and 2021, longer life expectancies at birth were generally associated with higher SDI levels (figure 7; table 2). For females in 2021, the super-regions with the largest proportion of nations with a life expectancy higher than expected based on SDI were high-income (31 of 36 nations), south Asia (three of five nations), and Latin America and the Caribbean (16 of 33 nations), while central Europe, eastern Europe, and central Asia ( 23 of 29 nations), sub-Saharan Africa ( 35 of 46 nations), and north Africa and the Middle East (14 of 21 nations) had the highest proportion of nations with a lower life expectancy than expected based on SDI. For males in 2021, the GBD super-regions with the largest proportion of nations with a life expectancy greater than expected based on SDI were high-income (31 of 36 nations), south Asia (three of five nations), and north Africa and the Middle East ( 11 of 21 nations); the super-regions with the highest proportion of nations displaying a life expectancy lower than expected based on SDI were central Europe, eastern Europe, and central Asia (24 of 29 nations), sub-Saharan Africa (34 of 46 nations), and southeast Asia, east Asia, and Oceania (24 of 34 nations). Between 1950 and 2021, an increase in both life expectancy at birth and SDI was observed in all countries and territories. For females in 2021, the five countries or territories with the largest positive difference between estimated life expectancy and expected life expectancy based on SDI were Somalia (13.9 years), Niger ( $10 \cdot 0$ years), Spain ( $6 \cdot 5$ years), Portugal ( $6 \cdot 0$ years), and Singapore ( $5 \cdot 6$ years); the five countries or territories with the largest negative difference were Lesotho ( -19.6 years), Eswatini ( -17.9 years), Botswana ( $-12 \cdot 8$ years), Equatorial Guinea ( $-12 \cdot 5$ years), and Zimbabwe ( $-12 \cdot 5$ years; table 3 ). For males in 2021, the five countries or territories with the largest positive difference between estimated life expectancy and expected life expectancy based on SDI were Somalia ( $12 \cdot 2$ years), Niger ( $10 \cdot 6$ years), the Maldives ( 8.4 years), Bhutan ( $7 \cdot 1$ years), and Singapore ( 6.7 years); the five countries or territories with the largest negative difference were Lesotho ( $-21 \cdot 2$ years), Eswatini ( $-18 \cdot 7$ years), Zimbabwe ( $-13 \cdot 4$ years), South Africa ( -12.8 years), and Botswana ( -12.4 years; table 4).
In 2020 and 2021 combined, lower age-standardised excess mortality rates due to the COVID-19 pandemic were broadly associated with higher SDI levels, but the association was not consistently strong (figure 8). The GBD super-regions with the largest proportion of countries and territories with an excess mortality rate higher than expected based on SDI were central Europe, eastern Europe, and central Asia (26 of 29 nations), Latin America and the Caribbean (21 of 33 nations), and

















Figure 8: National age-standardised rates of excess mortality due to the COVID-19 pandemic versus SDI, and expected rates of excess mortality based on SDI, 2020 and 2021 combined
Mortality rates are expressed as the number of deaths per 100000 and are shown for 204 countries and territories coloured by GBD super-region. The size of the datapoints indicates the number of excess deaths. The black line represents expected age-standardised excess mortality rates based on SDI, and the shaded area indicates the $95 \%$ uncertainty intervals. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study. SDI=Sociodemographic Index.
(49.4-95.6) from 2019 to 2020 and 69.0 million (50.8-93.2) from 2020 to 2021. These reduced gains include the impact of excess deaths due to the COVID-19 pandemic, therefore the magnitude might not persist as excess mortality declines. The majority of global population growth during the study period is attributed to three GBD super-regions: sub-Saharan Africa; south Asia; and southeast Asia, east Asia, and Oceania. The population of sub-Saharan Africa grew at a steadily increasing rate throughout the study period, contributing $9 \cdot 1 \%(7 \cdot 3-11 \cdot 0)$ of the total global population growth from 1950 to 1951, 23.3\% (19.4-27.6) from 2000 to 2001, and $39.5 \%(28 \cdot 4-52 \cdot 7)$ from 2020 to 2021. South Asia contributed $17 \cdot 1 \%(13 \cdot 8-20 \cdot 6)$ of the total global population growth from 1950 to 1951, rose to a peak contribution of $32 \cdot 9 \%(28 \cdot 4-37 \cdot 8)$ from 1999 to 2000, and remained relatively constant in more recent years, with a contribution of $26 \cdot 3 \%(9 \cdot 0-44 \cdot 7)$ from 2020 to 2021. In contrast, the annual growth of the population fluctuated in southeast Asia, east Asia, and Oceania. The contribution of this super-region to annual global population growth was relatively stable up to a peak of $37 \cdot 3 \%(30 \cdot 4-41 \cdot 8)$ from 1956 to 1957 and then subsequently decreased, contributing $14 \cdot 1 \%(0 \cdot 0$ to $30 \cdot 2$ ) from 2020 to 2021. Central Europe, eastern Europe, and central Asia contributed little to global population growth, and in fact experienced a decline in population over some periods, with growth from 1950 to 1992, a decline from 1993 to 2006, growth from 2007 to 2018, and a return to population decline in 2019. Population growth was relatively stable in Latin America and the Caribbean and north Africa and the Middle East at the super-regional level during the previous three decades, whereas population growth in the high-income super-region began to decline starting around 2015.
The majority of countries and territories ( 154 [75.5\%] of 204 countries and territories representing all seven super-regions) had a positive rate of natural increase (calculated as the number of births minus the number of deaths divided by person-years) between 2000 and 2009 followed by a smaller positive rate between 2010 and 2019 (figure 10). 26 countries and territories had a rate of natural increase that was positive during both decades and that was larger between 2010 and 2019 than between 2000 and 2009 (figure 10). Of these countries and territories, nine were in sub-Saharan Africa, eight were in central Europe, eastern Europe, and central Asia, and five were in the high-income super-region. Seven countries and territories had a positive rate of natural increase between 2000 and 2009 followed by a negative rate of natural increase between 2010 and 2019: Bosnia and Herzegovina, Greece, Japan, North Macedonia, Poland, Portugal, and San Marino (figure 10). The countries and territories of Belarus, Estonia, Latvia, Russia, and Ukraine experienced a negative rate of natural increase between 2000 and 2009 and continued to have a negative rate of natural increase between

|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15 years | 15-64 years | 265 years | All ages | <15 years | 15-64 years | 265 years |  |
| Global | $\begin{aligned} & 6100000 \\ & (5980000 \text { to } \\ & 62200000) \end{aligned}$ | $\begin{aligned} & 1830000 \\ & (1800000 \text { to } \\ & 1870000) \end{aligned}$ | $\begin{aligned} & 3840000 \\ & (3760000 \text { to } \\ & 3920000) \end{aligned}$ | $\begin{aligned} & 423000 \\ & (416000 \text { to } \\ & 432000) \end{aligned}$ | $\begin{aligned} & 7890000 \\ & (7670000 \text { to } \\ & 8120000) \end{aligned}$ | $\begin{aligned} & 2010000 \\ & (1950000 \text { to } \\ & 2070000) \end{aligned}$ | $\begin{aligned} & 5110000 \\ & (4960000 \text { to } \\ & 5270000) \end{aligned}$ | $\begin{aligned} & 770000 \\ & (750000 \text { to } \\ & 792000) \end{aligned}$ | $\begin{aligned} & 1.2 \% \\ & (1.2 \text { to } 1.3) \end{aligned}$ |
| Central Europe, eastern Europe, and central Asia | $\begin{aligned} & 417000 \\ & (404000 \text { to } 431000) \end{aligned}$ | $\begin{aligned} & 87300 \\ & (84500 \text { to } 90000) \end{aligned}$ | $\begin{aligned} & 282000 \\ & (272000 \text { to } \\ & 291000) \end{aligned}$ | $\begin{aligned} & 48400 \\ & (46600 \text { to } 50000) \end{aligned}$ | $\begin{aligned} & 418000 \\ & (393000 \text { to } 441000) \end{aligned}$ | $\begin{aligned} & 80800 \\ & (75900 \text { to } 85500) \end{aligned}$ | $\begin{aligned} & 275000 \\ & (259000 \text { to } \\ & 291000) \end{aligned}$ | $\begin{aligned} & 61800 \\ & (58100 \text { to } 65200) \end{aligned}$ | $\begin{aligned} & 0.0 \% \\ & (-0.1 \text { to } 0.1) \end{aligned}$ |
| Central Asia | $\begin{gathered} 74400 \\ \text { (70600 to } 78100 \text { ) } \end{gathered}$ | $\begin{gathered} 24800 \\ (23500 \text { to } 26100) \end{gathered}$ | $\begin{gathered} 45300 \\ (43100 \text { to } 47600) \end{gathered}$ | $\begin{gathered} 4310 \\ (4120 \text { to } 4500) \end{gathered}$ | $\begin{aligned} & 95800 \\ & (85900 \text { to 106000) } \end{aligned}$ | $\begin{gathered} 27700 \\ (24700 \text { to } 30600) \end{gathered}$ | 62100 $(55700$ to 68600$)$ | $\begin{gathered} 6020 \\ (5490 \text { to } 6550) \end{gathered}$ | $\begin{aligned} & 1.2 \% \\ & (0.9 \text { to 1.4) } \end{aligned}$ |
| Armenia | $\begin{gathered} 3320 \\ (3070 \text { to } 3550) \end{gathered}$ | $\begin{gathered} 849 \\ \text { (785 to 909) } \end{gathered}$ | $\begin{gathered} 2170 \\ \text { (2010 to 2320) } \end{gathered}$ | $\begin{gathered} 297 \\ (275 \text { to } 318) \end{gathered}$ | $\begin{gathered} 3000 \\ (2600 \text { to } 3380) \end{gathered}$ | $\begin{gathered} 592 \\ \text { (515 to 668) } \end{gathered}$ | $\begin{gathered} 2000 \\ (1740 \text { to } 2260) \end{gathered}$ | $\begin{gathered} 398 \\ (346 \text { to } 449) \end{gathered}$ | $\begin{aligned} & -0.5 \% \\ & (-0.8 \text { to }-0.2) \\ & \hline \end{aligned}$ |
| Azerbaijan | $\begin{gathered} 8280 \\ (7700 \text { to } 8890) \end{gathered}$ | $\begin{gathered} 2580 \\ \text { (2400 to 2770) } \end{gathered}$ | $\begin{gathered} 5220 \\ (4860 \text { to } 5600) \end{gathered}$ | $\begin{gathered} 480 \\ (447 \text { to } 515) \end{gathered}$ | $\begin{aligned} & 10500 \\ & \text { (9080 to 12000) } \end{aligned}$ | $\begin{gathered} 2360 \\ \text { (2040 to 2700) } \end{gathered}$ | $\begin{gathered} 7440 \\ (6440 \text { to } 8500) \end{gathered}$ | $\begin{gathered} 699 \\ (605 \text { to } 798) \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (0.8 \text { to 1.4) } \end{aligned}$ |
| Georgia | $\begin{gathered} 4730 \\ (4340 \text { to } 5120) \end{gathered}$ | $\begin{gathered} 1030 \\ (948 \text { to 1120) } \end{gathered}$ | $\begin{gathered} 3090 \\ (2830 \text { to } 3340) \end{gathered}$ | $\begin{gathered} 612 \\ (562 \text { to } 662) \end{gathered}$ | $\begin{gathered} 3610 \\ (3200 \text { to } 4010) \end{gathered}$ | $\begin{gathered} 736 \\ \text { (653 to } 817 \text { ) } \end{gathered}$ | $\begin{gathered} 2300 \\ \text { (2040 to 2550) } \end{gathered}$ | $\begin{gathered} 572 \\ \text { (507 to } 635) \end{gathered}$ | $\begin{aligned} & -1 \cdot 3 \% \\ & (-1 \cdot 4 \text { to }-1 \cdot 2) \end{aligned}$ |
| Kazakhstan | $\begin{gathered} 15000 \\ (13900 \text { to 16100) } \end{gathered}$ | $\begin{gathered} 4180 \\ (3860 \text { to } 4500) \end{gathered}$ | $\begin{gathered} 9790 \\ (9060 \text { to } 10500) \end{gathered}$ | $\begin{gathered} 1010 \\ (934 \text { to 1090) } \end{gathered}$ | $\begin{gathered} 19000 \\ (17000 \text { to 20800) } \end{gathered}$ | $\begin{gathered} 5430 \\ (4880 \text { to } 5960) \end{gathered}$ | $\begin{gathered} 12100 \\ (10900 \text { to } 13300) \end{gathered}$ | $\begin{gathered} 1400 \\ (1260 \text { to 1540) } \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (1.0 \text { to 1.2) } \end{aligned}$ |
| Kyrgyzstan | $\begin{gathered} 5010 \\ (4650 \text { to } 5380) \end{gathered}$ | $\begin{gathered} 1770 \\ (1640 \text { to } 1900) \end{gathered}$ | $\begin{gathered} 2970 \\ (2750 \text { to } 3180) \end{gathered}$ | $\begin{gathered} 279 \\ \text { (259 to 299) } \end{gathered}$ | $\begin{gathered} 6860 \\ \text { (5860 to 7900) } \end{gathered}$ | $\begin{gathered} 2270 \\ (1940 \text { to } 2620) \end{gathered}$ | $\begin{gathered} 4250 \\ (3630 \text { to } 4890) \end{gathered}$ | $\begin{gathered} 340 \\ \text { (290 to 391) } \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (1 \cdot 1 \text { to } 1.8) \end{aligned}$ |
| Mongolia | $\begin{gathered} 2440 \\ (2270 \text { to } 2610) \end{gathered}$ | $\begin{gathered} 879 \\ \text { (817 to } 939 \text { ) } \end{gathered}$ | $\begin{gathered} 1480 \\ (1380 \text { to } 1580) \end{gathered}$ | $\begin{gathered} 83 \cdot 6 \\ \text { (77.8 to } 89 \cdot 3 \text { ) } \end{gathered}$ | $\begin{gathered} 3340 \\ \text { (3080 to } 3580 \text { ) } \end{gathered}$ | $\begin{gathered} 1090 \\ \text { (1000 to 1170) } \end{gathered}$ | $\begin{gathered} 2110 \\ (1950 \text { to } 2260) \end{gathered}$ | $\begin{gathered} 144 \\ \text { (134 to } 155 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (1 \cdot 4 \text { to } 1.5) \end{aligned}$ |
| Tajikistan | $\begin{gathered} 6360 \\ (5950 \text { to } 6800) \end{gathered}$ | $\begin{gathered} 2710 \\ (2540 \text { to } 2900) \end{gathered}$ | $\begin{gathered} 3410 \\ \text { (3180 to 3640) } \end{gathered}$ | $\begin{gathered} 244 \\ (228 \text { to } 261) \end{gathered}$ | $\begin{aligned} & 10200 \\ & (8800 \text { to 11600) } \end{aligned}$ | $\begin{gathered} 3580 \\ (3110 \text { to } 4090) \end{gathered}$ | $\begin{gathered} 6210 \\ \text { (5380 to } 7080 \text { ) } \end{gathered}$ | $\begin{gathered} 368 \\ \text { (319 to } 420 \text { ) } \end{gathered}$ | $\begin{aligned} & 2.2 \% \\ & (1.9 \text { to } 2.5) \end{aligned}$ |
| Turkmenistan | $\begin{gathered} 4260 \\ (3710 \text { to } 4830) \end{gathered}$ | $\begin{gathered} 1600 \\ (1400 \text { to 1820) } \end{gathered}$ | $\begin{gathered} 2480 \\ (2160 \text { to } 2810) \end{gathered}$ | $\begin{gathered} 179 \\ (156 \text { to 203) } \end{gathered}$ | $\begin{gathered} 5160 \\ (4620 \text { to } 5700) \end{gathered}$ | $\begin{gathered} 1520 \\ (1370 \text { to } 1680) \end{gathered}$ | $\begin{gathered} 3350 \\ (3000 \text { to } 3700) \end{gathered}$ | $\begin{gathered} 284 \\ \text { (254 to } 314 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.9 \% \\ & (0.8 \text { to 1.0) } \end{aligned}$ |
| Uzbekistan | $\begin{gathered} 25000 \\ (21500 \text { to } 28700) \end{gathered}$ | $\begin{gathered} 9150 \\ (7880 \text { to 10 500) } \end{gathered}$ | $\begin{gathered} 14700 \\ (12700 \text { to } 16900) \end{gathered}$ | $\begin{gathered} 1120 \\ (967 \text { to 1290) } \end{gathered}$ | $\begin{aligned} & 34200 \\ & (24500 \text { to } 43600) \end{aligned}$ | $\begin{aligned} & 10100 \\ & (7220 \text { to } 12900) \end{aligned}$ | $\begin{gathered} 22300 \\ (16000 \text { to } 28500) \end{gathered}$ | $\begin{gathered} 1810 \\ (1300 \text { to 2310) } \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (0.6 \text { to } 2.0) \end{aligned}$ |
| Central Europe | $\begin{aligned} & 122000 \\ & (118000 \text { to } 126000) \end{aligned}$ | $\begin{gathered} 23000 \\ (22200 \text { to } 23700) \end{gathered}$ | $\begin{gathered} 83500 \\ (80700 \text { to } 86200) \end{gathered}$ | $\begin{aligned} & 16000 \\ & \text { (15500 to 16500) } \end{aligned}$ | $\begin{aligned} & 115000 \\ & (110000 \text { to } 120000) \end{aligned}$ | $\begin{gathered} 17700 \\ (16900 \text { to } 18500) \end{gathered}$ | $\begin{aligned} & 75200 \\ & (71800 \text { to } 78500) \end{aligned}$ | $\begin{aligned} & 22300 \\ & (21300 \text { to } 23300) \end{aligned}$ | $\begin{aligned} & -0.3 \% \\ & (-0.4 \text { to }-0.2) \end{aligned}$ |
| Albania | $\begin{gathered} 3190 \\ (2970 \text { to } 3430) \end{gathered}$ | $\begin{gathered} 962 \\ \text { (895 to 1030) } \end{gathered}$ | $\begin{gathered} 2010 \\ (1870 \text { to } 2160) \end{gathered}$ | $\begin{gathered} 225 \\ (209 \text { to } 242) \end{gathered}$ | $\begin{gathered} 2670 \\ (2320 \text { to } 3020) \end{gathered}$ | $\begin{gathered} 444 \\ (385 \text { to } 502) \end{gathered}$ | $\begin{gathered} 1810 \\ (1570 \text { to 2050) } \end{gathered}$ | $\begin{gathered} 416 \\ \text { (361 to } 471 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.9 \% \\ & (-1.2 \text { to }-0.6) \end{aligned}$ |
| Bosnia and Herzegovina | $\begin{gathered} 3980 \\ (3490 \text { to } 4490) \end{gathered}$ | $\begin{gathered} 806 \\ \text { (707 to } 911 \text { ) } \end{gathered}$ | $\begin{gathered} 2700 \\ \text { (2370 to } 3060 \text { ) } \end{gathered}$ | $\begin{gathered} 466 \\ (409 \text { to } 527) \end{gathered}$ | $\begin{gathered} 3300 \\ (2900 \text { to } 3690) \end{gathered}$ | $\begin{gathered} 490 \\ (431 \text { to } 548) \end{gathered}$ | $\begin{gathered} 2210 \\ (1940 \text { to } 2470) \end{gathered}$ | $\begin{gathered} 606 \\ \text { (532 to } 677 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.9 \% \\ & (-0.9 \text { to }-0.8) \end{aligned}$ |
| Bulgaria | $\begin{gathered} 7940 \\ (7400 \text { to } 8580) \end{gathered}$ | $\begin{gathered} 1230 \\ (1150 \text { to } 1330) \end{gathered}$ | $\begin{gathered} 5390 \\ \text { (5030 to 5820) } \end{gathered}$ | $\begin{gathered} 1320 \\ (1230 \text { to } 1420) \end{gathered}$ | $\begin{gathered} 6790 \\ (6070 \text { to } 7430) \end{gathered}$ | $\begin{gathered} 976 \\ (874 \text { to 1070) } \end{gathered}$ | $\begin{gathered} 4340 \\ \text { (3880 to } 4750 \text { ) } \end{gathered}$ | $\begin{gathered} 1470 \\ (1320 \text { to 1610) } \end{gathered}$ | $\begin{aligned} & -0.8 \% \\ & (-0.9 \text { to }-0.7) \end{aligned}$ |
| Croatia | $\begin{gathered} 4570 \\ (4250 \text { to } 4900) \end{gathered}$ | $\begin{gathered} 794 \\ \text { (738 to } 851 \text { ) } \end{gathered}$ | $\begin{gathered} 3080 \\ \text { (2860 to 3310) } \end{gathered}$ | $\begin{gathered} 696 \\ (646 \text { to } 746) \end{gathered}$ | $\begin{gathered} 4210 \\ \text { (3680 to } 4750 \text { ) } \end{gathered}$ | $\begin{gathered} 597 \\ \text { (522 to } 674 \text { ) } \end{gathered}$ | $\begin{gathered} 2720 \\ (2370 \text { to } 3060) \end{gathered}$ | $\begin{gathered} 896 \\ (783 \text { to 1010) } \end{gathered}$ | $\begin{aligned} & -0.4 \% \\ & (-0.7 \text { to }-0.2) \end{aligned}$ |
| Czechia | $\begin{gathered} 10200 \\ (10200 \text { to } 10300) \end{gathered}$ | $\begin{gathered} 1670 \\ (1660 \text { to } 1680) \end{gathered}$ | $\begin{gathered} 7140 \\ (7090 \text { to } 7200) \end{gathered}$ | $\begin{gathered} 1420 \\ (1410 \text { to } 1430) \end{gathered}$ | $\begin{aligned} & 10600 \\ & (9670 \text { to 11600) } \end{aligned}$ | $\begin{gathered} 1720 \\ (1560 \text { to 1870) } \end{gathered}$ | $\begin{gathered} 6710 \\ (6100 \text { to } 7330) \end{gathered}$ | $\begin{gathered} 2210 \\ \text { (2010 to 2410) } \end{gathered}$ | $\begin{aligned} & 0.2 \% \\ & (-0.2 \text { to } 0.6) \end{aligned}$ |
| Hungary | $\begin{aligned} & 10200 \\ & (9440 \text { to } 11000) \end{aligned}$ | $\begin{gathered} 1720 \\ (1590 \text { to } 1850) \end{gathered}$ | $\begin{gathered} 6950 \\ (6430 \text { to } 7470) \end{gathered}$ | $\begin{gathered} 1530 \\ (1410 \text { to } 1640) \end{gathered}$ | $\begin{gathered} 9600 \\ (8430 \text { to 10900) } \end{gathered}$ | $\begin{gathered} 1390 \\ (1220 \text { to 1570) } \end{gathered}$ | $\begin{gathered} 6200 \\ (5440 \text { to } 7020) \end{gathered}$ | $\begin{gathered} 2010 \\ (1760 \text { to } 2280) \end{gathered}$ | $\begin{aligned} & -0.3 \% \\ & (-0.5 \text { to 0.0) } \end{aligned}$ |
| Montenegro | $\begin{gathered} 637 \\ \text { (580 to } 695 \text { ) } \end{gathered}$ | $\begin{gathered} 142 \\ \text { (129 to 155) } \end{gathered}$ | $\begin{gathered} 425 \\ (387 \text { to } 464) \end{gathered}$ | $\begin{gathered} 70.1 \\ \text { (63.9 to } 76.6 \text { ) } \end{gathered}$ | $\begin{gathered} 618 \\ \text { (540 to } 701 \text { ) } \end{gathered}$ | $\begin{gathered} 111 \\ \text { (97.4 to 126) } \end{gathered}$ | $\begin{gathered} 413 \\ \text { (361 to 468) } \end{gathered}$ | $\begin{gathered} 93 \cdot 7 \\ \text { (81.9 to 106) } \end{gathered}$ | $\begin{aligned} & -0.1 \% \\ & (-0.3 \text { to } 0.0) \\ & \hline \end{aligned}$ |
| North Macedonia | $\begin{gathered} 2060 \\ \text { (1900 to 2230) } \end{gathered}$ | $\begin{gathered} 460 \\ \text { (424 to 497) } \end{gathered}$ | $\begin{gathered} 1390 \\ (1290 \text { to 1510) } \end{gathered}$ | $\begin{gathered} 204 \\ (188 \text { to } 220) \end{gathered}$ | $\begin{gathered} 2180 \\ (1800 \text { to } 2590) \end{gathered}$ | $\begin{gathered} 328 \\ (270 \text { to } 390) \end{gathered}$ | $\begin{gathered} 1540 \\ (1270 \text { to } 1830) \end{gathered}$ | $\begin{gathered} 308 \\ (254 \text { to } 366) \end{gathered}$ | $\begin{aligned} & 0.2 \% \\ & (-0.3 \text { to } 0.7) \end{aligned}$ |
| Poland | $\begin{gathered} 38300 \\ (35200 \text { to } 41300) \end{gathered}$ | $\begin{gathered} 7370 \\ (6760 \text { to } 7950) \end{gathered}$ | $\begin{aligned} & 26200 \\ & \text { (24100 to } 28300 \text { ) } \end{aligned}$ | $\begin{gathered} 4720 \\ (4330 \text { to } 5090) \end{gathered}$ | $\begin{aligned} & 38200 \\ & \text { (34600 to } 41900) \end{aligned}$ | $\begin{gathered} 5890 \\ (5320 \text { to } 6450) \end{gathered}$ | $\begin{aligned} & 25200 \\ & \text { (22800 to } 27600) \end{aligned}$ | $\begin{gathered} 7170 \\ \text { (6480 to } 7860 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.0 \% \\ & (-0.1 \text { to } 0.1) \end{aligned}$ |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15years | 15-64 years | $\geq 65$ years | All ages | $<15$ years | 15-64 years | $\geq 65$ years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Romania | $\begin{gathered} 22400 \\ (20600 \text { to } 24300) \end{gathered}$ | $\begin{gathered} 4220 \\ (3870 \text { to } 4570) \end{gathered}$ | $\begin{gathered} 15200 \\ (14000 \text { to } 16500) \end{gathered}$ | $\begin{gathered} 2960 \\ (2720 \text { to } 3210) \end{gathered}$ | $\begin{aligned} & 18900 \\ & (16500 \text { to } 21500) \end{aligned}$ | $\begin{gathered} 3010 \\ (2630 \text { to } 3420) \end{gathered}$ | $\begin{gathered} 12100 \\ (10600 \text { to } 13800) \end{gathered}$ | $\begin{gathered} 3790 \\ (3300 \text { to } 4300) \end{gathered}$ | $\begin{aligned} & -0.8 \% \\ & (-1.1 \text { to }-0.6) \end{aligned}$ |
| Serbia | $\begin{gathered} 9670 \\ (8880 \text { to } 10500) \end{gathered}$ | $\begin{gathered} 1870 \\ (1720 \text { to } 2030) \end{gathered}$ | $\begin{gathered} 6550 \\ (6020 \text { to } 7090) \end{gathered}$ | $\begin{gathered} 1250 \\ (1140 \text { to } 1350) \end{gathered}$ | $\begin{gathered} 8920 \\ (7750 \text { to } 10000) \end{gathered}$ | $\begin{gathered} 1330 \\ (1150 \text { to } 1490) \end{gathered}$ | $\begin{gathered} 5930 \\ (5160 \text { to } 6670) \end{gathered}$ | $\begin{gathered} 1660 \\ (1440 \text { to 1860) } \end{gathered}$ | $\begin{aligned} & -0.4 \% \\ & (-0.6 \text { to }-0.2) \end{aligned}$ |
| Slovakia | $\begin{gathered} 5390 \\ (5360 \text { to } 5420) \end{gathered}$ | $\begin{gathered} 1050 \\ (1040 \text { to } 1050) \end{gathered}$ | $\begin{gathered} 3720 \\ (3700 \text { to } 3740) \end{gathered}$ | $\begin{gathered} 624 \\ (620 \text { to } 628) \end{gathered}$ | $\begin{gathered} 5430 \\ (4900 \text { to } 5960) \end{gathered}$ | $\begin{gathered} 857 \\ \text { (772 to 940) } \end{gathered}$ | $\begin{gathered} 3640 \\ (3280 \text { to } 3990) \end{gathered}$ | $\begin{gathered} 937 \\ \text { (845 to 1030) } \end{gathered}$ | $\begin{aligned} & 0.0 \% \\ & (-0.4 \text { to 0.4) } \end{aligned}$ |
| Slovenia | $\begin{gathered} 1990 \\ (1980 \text { to } 2010) \end{gathered}$ | $\begin{gathered} 321 \\ \text { (318 to } 323 \text { ) } \end{gathered}$ | $\begin{gathered} 1390 \\ (1380 \text { to } 1400) \end{gathered}$ | $\begin{gathered} 280 \\ (278 \text { to } 282) \end{gathered}$ | $\begin{gathered} 2070 \\ (1890 \text { to } 2250) \end{gathered}$ | $\begin{gathered} 312 \\ \text { (285 to } 340 \text { ) } \end{gathered}$ | $\begin{gathered} 1320 \\ (1200 \text { to 1440) } \end{gathered}$ | $\begin{gathered} 437 \\ (398 \text { to } 475) \end{gathered}$ | $\begin{aligned} & 0.2 \% \\ & (-0.2 \text { to 0.5) } \end{aligned}$ |
| Eastern Europe | $\begin{aligned} & 221000 \\ & \text { (208000 to 234000) } \end{aligned}$ | $\begin{gathered} 39600 \\ (37300 \text { to } 41900) \end{gathered}$ | $\begin{aligned} & 153000 \\ & (144000 \text { to } 162000) \end{aligned}$ | $\begin{aligned} & 28100 \\ & (26400 \text { to } 29700) \end{aligned}$ | $\begin{aligned} & 207000 \\ & (185000 \text { to } 228000) \end{aligned}$ | $\begin{aligned} & 35400 \\ & (31600 \text { to } 39200) \end{aligned}$ | $\begin{aligned} & 138000 \\ & (123000 \text { to } 152000) \end{aligned}$ | $\begin{aligned} & 33500 \\ & (29900 \text { to } 36800) \end{aligned}$ | $\begin{aligned} & -0.3 \% \\ & (-0.6 \text { to }-0.1) \end{aligned}$ |
| Belarus | $\begin{gathered} 10200 \\ (9460 \text { to } 11000) \end{gathered}$ | $\begin{gathered} 1930 \\ (1790 \text { to } 2070) \end{gathered}$ | $\begin{gathered} 6920 \\ (6410 \text { to } 7440) \end{gathered}$ | $\begin{gathered} 1360 \\ (1260 \text { to } 1460) \end{gathered}$ | $\begin{gathered} 9320 \\ \text { (8020 to } 10600 \text { ) } \end{gathered}$ | $\begin{gathered} 1580 \\ (1360 \text { to 1800) } \end{gathered}$ | $\begin{gathered} 6250 \\ (5380 \text { to } 7120) \end{gathered}$ | $\begin{gathered} 1490 \\ (1280 \text { to } 1700) \end{gathered}$ | $\begin{aligned} & -0.4 \% \\ & (-0.8 \text { to }-0.2) \end{aligned}$ |
| Estonia | $\begin{gathered} 1390 \\ (1390 \text { to } 1400) \end{gathered}$ | $\begin{gathered} 251 \\ \text { (249 to } 252 \text { ) } \end{gathered}$ | $\begin{gathered} 936 \\ \text { (930 to } 942 \text { ) } \end{gathered}$ | $\begin{gathered} 208 \\ (206 \text { to 209) } \end{gathered}$ | $\begin{gathered} 1310 \\ (1190 \text { to } 1430) \end{gathered}$ | $\begin{gathered} 216 \\ (196 \text { to } 236) \end{gathered}$ | $\begin{gathered} 825 \\ \text { (748 to } 902 \text { ) } \end{gathered}$ | $\begin{gathered} 270 \\ (244 \text { to } 295) \end{gathered}$ | $\begin{aligned} & -0.3 \% \\ & (-0.7 \text { to 0.1) } \end{aligned}$ |
| Latvia | $\begin{gathered} 2380 \\ (2210 \text { to } 2540) \end{gathered}$ | $\begin{gathered} 431 \\ \text { (399 to 459) } \end{gathered}$ | $\begin{gathered} 1600 \\ (1480 \text { to } 1700) \end{gathered}$ | $\begin{gathered} 355 \\ \text { (329 to 379) } \end{gathered}$ | $\begin{gathered} 1870 \\ (1700 \text { to } 2050) \end{gathered}$ | $\begin{gathered} 297 \\ (270 \text { to } 326 \text { ) } \end{gathered}$ | $\begin{gathered} 1180 \\ (1070 \text { to } 1290) \end{gathered}$ | $\begin{gathered} 392 \\ (356 \text { to } 430) \end{gathered}$ | $\begin{aligned} & -1 \cdot 2 \% \\ & (-1.3 \text { to }-1.0) \end{aligned}$ |
| Lithuania | $\begin{gathered} 3520 \\ (3260 \text { to } 3780) \end{gathered}$ | $\begin{gathered} 705 \\ \text { (653 to } 756 \text { ) } \end{gathered}$ | $\begin{gathered} 2330 \\ (2160 \text { to } 2500) \end{gathered}$ | $\begin{gathered} 483 \\ (447 \text { to } 518) \end{gathered}$ | $\begin{gathered} 2730 \\ (2480 \text { to } 3010) \end{gathered}$ | $\begin{gathered} 408 \\ \text { (370 to 449) } \end{gathered}$ | $\begin{gathered} 1760 \\ (1600 \text { to } 1940) \end{gathered}$ | $\begin{gathered} 557 \\ (506 \text { to } 614) \end{gathered}$ | $\begin{aligned} & -1 \cdot 2 \% \\ & (-1 \cdot 3 \text { to }-1 \cdot 1) \end{aligned}$ |
| Moldova | $\begin{gathered} 4200 \\ (3810 \text { to } 4600) \end{gathered}$ | $\begin{gathered} 922 \\ \text { (836 to 1010) } \end{gathered}$ | $\begin{gathered} 2850 \\ (2580 \text { to } 3120) \end{gathered}$ | $\begin{gathered} 428 \\ (388 \text { to } 469) \end{gathered}$ | $\begin{gathered} 3590 \\ (2970 \text { to } 4190) \end{gathered}$ | $\begin{gathered} 522 \\ (432 \text { to } 609) \end{gathered}$ | $\begin{gathered} 2520 \\ (2080 \text { to } 2940) \end{gathered}$ | $\begin{gathered} 555 \\ (459 \text { to } 647) \end{gathered}$ | $\begin{aligned} & -0.8 \% \\ & (-1.2 \text { to }-0.4) \end{aligned}$ |
| Russia | $\begin{aligned} & 149000 \\ & (137000 \text { to } 161000) \end{aligned}$ | $\begin{gathered} 26700 \\ (24600 \text { to } 28900) \end{gathered}$ | $\begin{aligned} & 104000 \\ & (95800 \text { to } 113000) \end{aligned}$ | $\begin{aligned} & 18400 \\ & (16900 \text { to } 19900) \end{aligned}$ | $\begin{aligned} & 145000 \\ & (125000 \text { to } 164000) \end{aligned}$ | $\begin{gathered} 26100 \\ (22500 \text { to } 29400) \end{gathered}$ | $\begin{aligned} & 96000 \\ & (82900 \text { to 108000) } \end{aligned}$ | $\begin{aligned} & 22700 \\ & (19600 \text { to } 25700) \end{aligned}$ | $\begin{aligned} & -0.1 \% \\ & (-0.5 \text { to 0.1) } \end{aligned}$ |
| Ukraine | $\begin{aligned} & 49600 \\ & (46000 \text { to } 53200) \end{aligned}$ | $\begin{gathered} 8640 \\ (8010 \text { to } 9270) \end{gathered}$ | $\begin{gathered} 34100 \\ (31600 \text { to } 36600) \end{gathered}$ | $\begin{gathered} 6850 \\ (6350 \text { to } 7350) \end{gathered}$ | $\begin{aligned} & 43100 \\ & (34600 \text { to } 51400) \end{aligned}$ | $\begin{gathered} 6350 \\ (5100 \text { to } 7570) \end{gathered}$ | $\begin{gathered} 29300 \\ (23500 \text { to } 34900) \end{gathered}$ | $\begin{gathered} 7440 \\ (5990 \text { to } 8880) \end{gathered}$ | $\begin{aligned} & -0.7 \% \\ & (-1 \cdot 3 \text { to }-0.2) \end{aligned}$ |
| High income | $\begin{aligned} & 968000 \\ & (944000 \text { to } \\ & 990000) \end{aligned}$ | $\begin{aligned} & 185000 \\ & (180000 \text { to } \\ & 189000) \end{aligned}$ | $\begin{aligned} & 647000 \\ & (631000 \text { to } \\ & 661000) \end{aligned}$ | $\begin{aligned} & 137000 \\ & (134000 \text { to } \\ & 140000) \end{aligned}$ | 1090000 <br> (1060 000 to <br> 1120000) | $\begin{aligned} & 176000 \\ & (171000 \text { to } \\ & 181000) \end{aligned}$ | $\begin{aligned} & 702000 \\ & (682000 \text { to } \\ & 720000) \end{aligned}$ | $\begin{aligned} & 214000 \\ & (208000 \text { to } \\ & 219000) \end{aligned}$ | $\begin{aligned} & 0.6 \% \\ & (0.5 \text { to } 0.6) \end{aligned}$ |
| Australasia | $\begin{gathered} 22700 \\ (21300 \text { to } 24100) \end{gathered}$ | $\begin{gathered} 4870 \\ (4570 \text { to } 5170) \end{gathered}$ | $\begin{gathered} 15100 \\ (14100 \text { to } 16000) \end{gathered}$ | $\begin{gathered} 2780 \\ (2600 \text { to 2950) } \end{gathered}$ | $\begin{aligned} & 31000 \\ & (29200 \text { to } 32700) \end{aligned}$ | $\begin{gathered} 5730 \\ (5400 \text { to } 6060) \end{gathered}$ | $\begin{gathered} 20000 \\ (18,900 \text { to } 21,200) \end{gathered}$ | $\begin{gathered} 5200 \\ (4890 \text { to } 5500) \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (1.4 \text { to } 1.5) \end{aligned}$ |
| Australia | $\begin{gathered} 18900 \\ (17400 \text { to } 20300) \end{gathered}$ | $\begin{gathered} 4000 \\ (3690 \text { to } 4290) \end{gathered}$ | $\begin{gathered} 12600 \\ (11600 \text { to } 13500) \end{gathered}$ | $\begin{gathered} 2330 \\ (2150 \text { to } 2500) \end{gathered}$ | $\begin{aligned} & 25800 \\ & (24000 \text { to } 27500) \end{aligned}$ | $\begin{gathered} 4750 \\ (4420 \text { to } 5070) \end{gathered}$ | $\begin{gathered} 16700 \\ (15500 \text { to 17800) } \end{gathered}$ | $\begin{gathered} 4390 \\ (4080 \text { to } 4690) \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (1.5 \text { to } 1.5) \end{aligned}$ |
| New Zealand | $\begin{gathered} 3860 \\ (3580 \text { to } 4150) \end{gathered}$ | $\begin{gathered} 878 \\ (813 \text { to } 944) \end{gathered}$ | $\begin{gathered} 2530 \\ (2340 \text { to } 2720) \end{gathered}$ | $\begin{gathered} 454 \\ \text { (421 to } 488 \text { ) } \end{gathered}$ | $\begin{gathered} 5170 \\ (4720 \text { to } 5610) \end{gathered}$ | $\begin{gathered} 982 \\ (896 \text { to } 1060) \end{gathered}$ | $\begin{gathered} 3380 \\ (3080 \text { to } 3660) \end{gathered}$ | $\begin{gathered} 810 \\ (739 \text { to } 878) \end{gathered}$ | $\begin{aligned} & 1 \cdot 4 \% \\ & (1.3 \text { to } 1 \cdot 4) \end{aligned}$ |
| High-income Asia Pacific | $\begin{aligned} & 180000 \\ & (171000 \text { to } 190000) \end{aligned}$ | $\begin{gathered} 29700 \\ (28200 \text { to } 31100) \end{gathered}$ | $\begin{aligned} & 125000 \\ & (118000 \text { to } 131000) \end{aligned}$ | $\begin{aligned} & 25900 \\ & (24300 \text { to } 27400) \end{aligned}$ | $\begin{aligned} & 185000 \\ & (175000 \text { to } 196000) \end{aligned}$ | $\begin{gathered} 22400 \\ (21200 \text { to } 23700) \end{gathered}$ | $\begin{aligned} & 117000 \\ & (111000 \text { to 123000) } \end{aligned}$ | $\begin{aligned} & 46100 \\ & (43300 \text { to } 49000) \end{aligned}$ | $\begin{aligned} & 0.1 \% \\ & (0.1 \text { to } 0.2) \end{aligned}$ |
| Brunei | $\begin{gathered} 333 \\ \text { (306 to } 358 \text { ) } \end{gathered}$ | $\begin{gathered} 105 \\ (96 \cdot 7 \text { to } 113) \end{gathered}$ | $\begin{gathered} 218 \\ (201 \text { to } 235) \end{gathered}$ | $\begin{array}{r} 9.3 \\ (8.6 \text { to } 10) \end{array}$ | $\begin{gathered} 451 \\ (394 \text { to } 510) \end{gathered}$ | $\begin{gathered} 94.6 \\ \text { (82.6 to } 107 \text { ) } \end{gathered}$ | $\begin{gathered} 332 \\ \text { (290 to } 375 \text { ) } \end{gathered}$ | $\begin{gathered} 24 \cdot 5 \\ (21 \cdot 4 \text { to } 27 \cdot 7) \end{gathered}$ | $\begin{aligned} & 1.4 \% \\ & (1.2 \text { to } 1.7) \end{aligned}$ |
| Japan | $\begin{aligned} & 129000 \\ & (120000 \text { to } 138000) \end{aligned}$ | $\begin{gathered} 18900 \\ (17600 \text { to } 20200) \end{gathered}$ | $\begin{gathered} 87800 \\ (81800 \text { to } 93800) \end{gathered}$ | $\begin{aligned} & 22200 \\ & (20700 \text { to 23700) } \end{aligned}$ | $\begin{aligned} & 128000 \\ & (118000 \text { to } 137000) \end{aligned}$ | $\begin{aligned} & 15400 \\ & (14300 \text { to } 16600) \end{aligned}$ | $\begin{aligned} & 75400 \\ & (69700 \text { to } 80900) \end{aligned}$ | $\begin{aligned} & 36800 \\ & \text { (34000 to 39600) } \end{aligned}$ | $\begin{aligned} & 0.0 \% \\ & (-0.1 \text { to 0.0) } \end{aligned}$ |
| Singapore | $\begin{gathered} 4030 \\ (3740 \text { to } 4300) \end{gathered}$ | $\begin{gathered} 754 \\ \text { (701 to 805) } \end{gathered}$ | $\begin{gathered} 3020 \\ (2810 \text { to } 3220) \end{gathered}$ | $\begin{gathered} 256 \\ (238 \text { to } 274) \end{gathered}$ | $\begin{gathered} 5730 \\ (5260 \text { to } 6200) \end{gathered}$ | $\begin{gathered} 812 \\ (746 \text { to } 878) \end{gathered}$ | $\begin{gathered} 4150 \\ (3810 \text { to } 4490) \end{gathered}$ | $\begin{gathered} 768 \\ (706 \text { to } 831) \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & (1.6 \text { to } 1.7) \end{aligned}$ |
| South Korea | $\begin{gathered} 46800 \\ (43500 \text { to } 49900) \end{gathered}$ | $\begin{gathered} 9860 \\ (9160 \text { to } 10500) \end{gathered}$ | $\begin{gathered} 33500 \\ (31200 \text { to } 35800) \end{gathered}$ | $\begin{gathered} 3390 \\ (3150 \text { to 3610) } \end{gathered}$ | $\begin{gathered} 51600 \\ (47800 \text { to } 55100) \end{gathered}$ | $\begin{gathered} 6070 \\ (5630 \text { to } 6490) \end{gathered}$ | $\begin{aligned} & 37000 \\ & (34300 \text { to } 39600) \end{aligned}$ | $\begin{aligned} & 8500 \\ & (7870 \text { to } 9080) \end{aligned}$ | $\begin{aligned} & 0.5 \% \\ & (0.4 \text { to } 0.5) \end{aligned}$ |
| High-income North America | $\begin{aligned} & 311000 \\ & (292000 \text { to } 331000) \end{aligned}$ | $\begin{aligned} & 66700 \\ & (62400 \text { to } 70800) \end{aligned}$ | $\begin{aligned} & 206000 \\ & (193000 \text { to } 219000) \end{aligned}$ | $\begin{aligned} & 38300 \\ & (35900 \text { to } 40600) \end{aligned}$ | $\begin{aligned} & 370000 \\ & (346000 \text { to } 394000) \end{aligned}$ | $\begin{aligned} & 65600 \\ & (61300 \text { to } 69800) \end{aligned}$ | $\begin{aligned} & 240000 \\ & (225000 \text { to } 256000) \end{aligned}$ | $\begin{aligned} & 64200 \\ & (60000 \text { to } 68200) \end{aligned}$ | $\begin{aligned} & 0.8 \% \\ & (0.8 \text { to } 0.8) \end{aligned}$ |
| (Table 5 continues on next page) |  |  |  |  |  |  |  |  |  |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15 years | 15-64 years | $\geq 65$ years | All ages | <15 years | 15-64 years | $\geq 65$ years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Canada | $\begin{gathered} 30300 \\ (28100 \text { to } 32400) \end{gathered}$ | $\begin{gathered} 5920 \\ (5490 \text { to } 6330) \end{gathered}$ | $\begin{gathered} 20600 \\ (19100 \text { to } 22000) \end{gathered}$ | $\begin{gathered} 3830 \\ (3560 \text { to } 4100) \end{gathered}$ | $\begin{gathered} 37500 \\ (35100 \text { to } 40200) \end{gathered}$ | $\begin{gathered} 6170 \\ (5770 \text { to } 6620) \end{gathered}$ | $\begin{gathered} 24300 \\ (22700 \text { to } 26000) \end{gathered}$ | $\begin{gathered} 7040 \\ (6580 \text { to } 7540) \end{gathered}$ | $\left(\begin{array}{l} 1.0 \% \\ (1.0 \text { to } 1.0) \end{array}\right.$ |
| Greenland | $\begin{gathered} 56 \cdot 1 \\ (55 \cdot 8 \text { to } 56 \cdot 5) \end{gathered}$ | $\begin{gathered} 15 \cdot 2 \\ (15 \cdot 1 \text { to } 15 \cdot 3) \end{gathered}$ | $\begin{gathered} 38 \cdot 1 \\ (37 \cdot 8 \text { to } 38 \cdot 3) \end{gathered}$ | $\begin{gathered} 2.8 \\ (2.8 \text { to } 2.8) \end{gathered}$ | $\begin{gathered} 56 \cdot 1 \\ (50 \cdot 7 \text { to } 61 \cdot 1) \end{gathered}$ | $\begin{gathered} 11.8 \\ (10.6 \text { to } 12.8) \end{gathered}$ | $\begin{gathered} 39 \cdot 1 \\ (35 \cdot 3 \text { to } 42 \cdot 6) \end{gathered}$ | $\begin{gathered} 5 \cdot 3 \\ (4 \cdot 8 \text { to } 5 \cdot 8) \end{gathered}$ | $\begin{aligned} & 0.0 \% \\ & (-0.5 \text { to 0.4) } \end{aligned}$ |
| USA | $\begin{aligned} & 281000 \\ & (261000 \text { to } 301000) \end{aligned}$ | $\begin{gathered} 60700 \\ (56500 \text { to } 65000) \end{gathered}$ | $\begin{aligned} & 186000 \\ & (173000 \text { to } 199000) \end{aligned}$ | $\begin{aligned} & 34400 \\ & (32000 \text { to } 36800) \end{aligned}$ | $\begin{aligned} & 333000 \\ & (308000 \text { to } 357000) \end{aligned}$ | $\begin{aligned} & 59400 \\ & (55100 \text { to } 63700) \end{aligned}$ | $\begin{aligned} & 216000 \\ & (200000 \text { to } 232000) \end{aligned}$ | $\begin{aligned} & 57100 \\ & (52900 \text { to } 61300) \end{aligned}$ | $\begin{aligned} & 0.8 \% \\ & (0.8 \text { to 0.8) } \end{aligned}$ |
| Southern Latin <br> America | $\begin{aligned} & 55200 \\ & (52400 \text { to } 58 \text { 200) } \end{aligned}$ | $\begin{gathered} 15400 \\ (14600 \text { to } 16200) \end{gathered}$ | $\begin{gathered} 34700 \\ (32900 \text { to } 36500) \end{gathered}$ | $\begin{gathered} 5180 \\ (4910 \text { to } 5460) \end{gathered}$ | $\begin{aligned} & 67700 \\ & (61400 \text { to } 74200) \end{aligned}$ | $\begin{gathered} 14500 \\ (13100 \text { to } 15900) \end{gathered}$ | $\begin{aligned} & 45100 \\ & (40900 \text { to } 49400) \end{aligned}$ | $\begin{gathered} 8110 \\ (7370 \text { to } 8870) \end{gathered}$ | $\begin{aligned} & 1.0 \% \\ & (0.7 \text { to } 1 \cdot 2) \end{aligned}$ |
| Argentina | $\begin{gathered} 36800 \\ (34200 \text { to } 39600) \end{gathered}$ | $\begin{gathered} 10500 \\ (9730 \text { to 11300) } \end{gathered}$ | $\begin{gathered} 22700 \\ (21100 \text { to } 24500) \end{gathered}$ | $\begin{gathered} 3590 \\ \text { (3340 to 3870) } \end{gathered}$ | $\begin{aligned} & 45500 \\ & (39200 \text { to } 51800) \end{aligned}$ | $\begin{gathered} 10200 \\ (8780 \text { to } 11600) \end{gathered}$ | $\begin{gathered} 30100 \\ (25900 \text { to } 34300) \end{gathered}$ | $\begin{gathered} 5250 \\ (4530 \text { to 5990) } \end{gathered}$ | $\begin{aligned} & 1.0 \% \\ & (0.7 \text { to } 1 \cdot 3) \end{aligned}$ |
| Chile | $\begin{gathered} 15100 \\ (13900 \text { to } 16300) \end{gathered}$ | $\begin{gathered} 4090 \\ (3750 \text { to } 4420) \end{gathered}$ | $\begin{gathered} 9890 \\ (9060 \text { to } 10700) \end{gathered}$ | $\begin{gathered} 1160 \\ (1060 \text { to 1250) } \end{gathered}$ | $\begin{gathered} 18800 \\ (17100 \text { to } 20600) \end{gathered}$ | $\begin{gathered} 3650 \\ \text { (3320 to 4000) } \end{gathered}$ | $\begin{aligned} & 12800 \\ & (11700 \text { to } 14000) \end{aligned}$ | $\begin{gathered} 2330 \\ (2120 \text { to } 2550) \end{gathered}$ | $\begin{aligned} & 1.0 \% \\ & (1.0 \text { to } 1.1) \end{aligned}$ |
| Uruguay | $\begin{gathered} 3300 \\ (2990 \text { to } 3600) \end{gathered}$ | $\begin{gathered} 818 \\ (742 \text { to } 895) \end{gathered}$ | $\begin{gathered} 2050 \\ (1860 \text { to } 2240) \end{gathered}$ | $\begin{gathered} 427 \\ (387 \text { to } 467) \end{gathered}$ | $\begin{gathered} 3410 \\ (2990 \text { to } 3860) \end{gathered}$ | $\begin{gathered} 660 \\ \text { (578 to 748) } \end{gathered}$ | $\begin{gathered} 2210 \\ (1940 \text { to } 2510) \end{gathered}$ | $\begin{gathered} 531 \\ (466 \text { to } 603) \end{gathered}$ | $\begin{aligned} & 0.1 \% \\ & (0.0 \text { to 0.3) } \end{aligned}$ |
| Western Europe | $\begin{aligned} & 398000 \\ & \text { (391000 to } 405000 \text { ) } \end{aligned}$ | $\begin{aligned} & 68000 \\ & (66700 \text { to } 69300) \end{aligned}$ | $\begin{aligned} & 266000 \\ & (261000 \text { to } 270000) \end{aligned}$ | $\begin{aligned} & 64600 \\ & (63300 \text { to } 65700) \end{aligned}$ | $\begin{aligned} & 437000 \\ & (422000 \text { to } 451000) \end{aligned}$ | $\begin{aligned} & 68100 \\ & (65900 \text { to } 70200) \end{aligned}$ | $\begin{aligned} & 279000 \\ & (270000 \text { to } 288000) \end{aligned}$ | $\begin{aligned} & 90000 \\ & (86700 \text { to } 92900) \end{aligned}$ | $\begin{aligned} & 0.4 \% \\ & (0.3 \text { to 0.5) } \end{aligned}$ |
| Andorra | $\begin{gathered} 65 \cdot 6 \\ (65 \cdot 2 \text { to } 66 \cdot 1) \end{gathered}$ | $\begin{array}{r} 10 \cdot 1 \\ (10 \text { to } 10 \cdot 2) \end{array}$ | $\begin{gathered} 47 \cdot 5 \\ \text { (47.2 to } 47 \cdot 8 \text { ) } \end{gathered}$ | $\begin{array}{r} 8.1 \\ (8 \text { to } 8.1) \end{array}$ | $\begin{gathered} 85 \cdot 6 \\ (77 \cdot 6 \text { to } 94 \cdot 3) \end{gathered}$ | $\begin{array}{r} 10 \cdot 2 \\ (9 \cdot 2 \text { to } 11 \cdot 2) \end{array}$ | $\begin{gathered} 61 \cdot 7 \\ \text { (56 to } 68 \text { ) } \end{gathered}$ | $\begin{gathered} 13 \cdot 7 \\ (12 \cdot 4 \text { to } 15 \cdot 1) \end{gathered}$ | $\begin{aligned} & 1.3 \% \\ & \text { (0.8 to 1.7) } \end{aligned}$ |
| Austria | $\begin{gathered} 8020 \\ (7450 \text { to } 8600) \end{gathered}$ | $\begin{gathered} 1360 \\ (1260 \text { to } 1460) \end{gathered}$ | $\begin{gathered} 5410 \\ (5030 \text { to } 5800) \end{gathered}$ | $\begin{gathered} 1240 \\ (1150 \text { to } 1330) \end{gathered}$ | $\begin{gathered} 8980 \\ (8090 \text { to } 9780) \end{gathered}$ | $\begin{gathered} 1300 \\ (1170 \text { to } 1410) \end{gathered}$ | $\begin{gathered} 5970 \\ (5380 \text { to } 6500) \end{gathered}$ | $\begin{gathered} 1710 \\ \text { (1540 to 1870) } \end{gathered}$ | $\begin{aligned} & 0.5 \% \\ & (0.4 \text { to } 0.6) \end{aligned}$ |
| Belgium | $\begin{gathered} 10300 \\ (9510 \text { to } 11000) \end{gathered}$ | $\begin{gathered} 1810 \\ (1670 \text { to } 1940) \end{gathered}$ | $\begin{gathered} 6730 \\ (6230 \text { to } 7230) \end{gathered}$ | $\begin{gathered} 1730 \\ (1600 \text { to } 1860) \end{gathered}$ | $\begin{gathered} 11500 \\ (10300 \text { to } 12600) \end{gathered}$ | $\begin{gathered} 1910 \\ (1720 \text { to } 2090) \end{gathered}$ | $\begin{gathered} 7310 \\ (6580 \text { to } 8010) \end{gathered}$ | $\begin{gathered} 2240 \\ (2020 \text { to } 2460) \end{gathered}$ | $\begin{aligned} & 0.5 \% \\ & (0.4 \text { to } 0.6) \end{aligned}$ |
| Cyprus | $\begin{gathered} 918 \\ (851 \text { to } 983) \end{gathered}$ | $\begin{gathered} 204 \\ (189 \text { to } 218) \end{gathered}$ | $\begin{gathered} 620 \\ \text { (575 to 664) } \end{gathered}$ | $\begin{gathered} 94 \cdot 2 \\ (87 \cdot 3 \text { to } 101) \end{gathered}$ | $\begin{gathered} 1360 \\ (1170 \text { to } 1540) \end{gathered}$ | $\begin{gathered} 219 \\ (189 \text { to } 248) \end{gathered}$ | $\begin{gathered} 941 \\ \text { (813 to 1070) } \end{gathered}$ | $\begin{gathered} 198 \\ (171 \text { to } 225) \end{gathered}$ | $\begin{gathered} 1 \cdot 9 \% \\ (1.5 \text { to } 2 \cdot 1) \end{gathered}$ |
| Denmark | $\begin{gathered} 5330 \\ (5290 \text { to } 5380) \end{gathered}$ | $\begin{gathered} 982 \\ \text { (974 to } 990 \text { ) } \end{gathered}$ | $\begin{gathered} 3560 \\ \text { (3530 to 3590) } \end{gathered}$ | $\begin{gathered} 796 \\ (789 \text { to } 802) \end{gathered}$ | $\begin{gathered} 5850 \\ (5300 \text { to } 6410) \end{gathered}$ | $\begin{gathered} 954 \\ (865 \text { to 1050) } \end{gathered}$ | $\begin{gathered} 3720 \\ \text { (3370 to } 4070 \text { ) } \end{gathered}$ | $\begin{gathered} 1180 \\ (1070 \text { to } 1290) \end{gathered}$ | $\begin{aligned} & 0.4 \% \\ & (0.0 \text { to 0.8) } \end{aligned}$ |
| Finland | $\begin{gathered} 5190 \\ \text { (5150 to } 5230 \text { ) } \end{gathered}$ | $\begin{gathered} 936 \\ \text { (929 to } 942 \text { ) } \end{gathered}$ | $\begin{gathered} 3470 \\ (3440 \text { to } 3490) \end{gathered}$ | $\begin{gathered} 784 \\ \text { (779 to } 790 \text { ) } \end{gathered}$ | $\begin{gathered} 5540 \\ (4950 \text { to } 6060) \end{gathered}$ | $\begin{gathered} 847 \\ \text { (758 to 927) } \end{gathered}$ | $\begin{gathered} 3400 \\ \text { (3040 to 3720) } \end{gathered}$ | $\begin{gathered} 1290 \\ (1150 \text { to } 1410) \end{gathered}$ | $\begin{aligned} & 0.3 \% \\ & (-0.2 \text { to } 0.7) \end{aligned}$ |
| France | $\begin{aligned} & 59900 \\ & (55500 \text { to } 64400) \end{aligned}$ | $\begin{gathered} 11400 \\ (10500 \text { to } 12200) \end{gathered}$ | $\begin{gathered} 39100 \\ (36200 \text { to } 42000) \end{gathered}$ | 9440 <br> (8740 to 10 100) | $\begin{aligned} & 66400 \\ & \text { (59500 to } 73500 \text { ) } \end{aligned}$ | $\begin{aligned} & 11600 \\ & (10400 \text { to } 12800) \end{aligned}$ | $\begin{aligned} & 41000 \\ & (36800 \text { to } 45400) \end{aligned}$ | $\begin{aligned} & 13800 \\ & (12300 \text { to } 15200) \end{aligned}$ | $\begin{aligned} & 0.5 \% \\ & (0.3 \text { to } 0.6) \end{aligned}$ |
| Germany | $\begin{gathered} 82300 \\ (81600 \text { to } 83000) \end{gathered}$ | $\begin{gathered} 12800 \\ (12700 \text { to } 12900) \end{gathered}$ | $\begin{gathered} 55800 \\ (55400 \text { to } 56300) \end{gathered}$ | $\begin{aligned} & 13700 \\ & (13600 \text { to } 13800) \end{aligned}$ | $\begin{aligned} & 85400 \\ & (76200 \text { to } 94000) \end{aligned}$ | $\begin{aligned} & 12000 \\ & (10700 \text { to } 13200) \end{aligned}$ | $\begin{gathered} 54900 \\ (49000 \text { to } 60400) \end{gathered}$ | $\begin{aligned} & 18600 \\ & (16600 \text { to } 20400) \end{aligned}$ | $\begin{aligned} & 0.2 \% \\ & (-0.3 \text { to } 0.6) \end{aligned}$ |
| Greece | $\begin{gathered} 11100 \\ (10300 \text { to } 11900) \end{gathered}$ | $\begin{gathered} 1720 \\ (1600 \text { to } 1850) \end{gathered}$ | $\begin{gathered} 7560 \\ (7000 \text { to } 8130) \end{gathered}$ | $\begin{gathered} 1800 \\ (1670 \text { to 1940) } \end{gathered}$ | $\begin{aligned} & 10200 \\ & (8730 \text { to } 11500) \end{aligned}$ | $\begin{gathered} 1390 \\ (1200 \text { to } 1580) \end{gathered}$ | $\begin{gathered} 6470 \\ (5550 \text { to } 7320) \end{gathered}$ | $\begin{gathered} 2310 \\ \text { (1980 to 2610) } \end{gathered}$ | $\begin{aligned} & -0.4 \% \\ & (-0.8 \text { to -0.2) } \end{aligned}$ |
| Iceland | $\begin{gathered} 279 \\ (277 \text { to } 282) \end{gathered}$ | $\begin{gathered} 65 \\ (64.5 \text { to } 65 \cdot 6) \end{gathered}$ | $\begin{gathered} 182 \\ (180 \text { to } 183) \end{gathered}$ | $\begin{gathered} 32 \cdot 5 \\ \text { (32.3 to } 32 \cdot 8 \text { ) } \end{gathered}$ | $\begin{gathered} 350 \\ \text { (318 to 384) } \end{gathered}$ | $\begin{array}{r} 67.5 \\ \text { ( } 61.3 \text { to } 74 \text { ) } \end{array}$ | $\begin{gathered} 228 \\ \text { (206 to } 250 \text { ) } \end{gathered}$ | $\begin{gathered} 55 \cdot 2 \\ \text { (50.1 to } 60 \cdot 5 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (0.7 \text { to } 1.5) \end{aligned}$ |
| Ireland | $\begin{gathered} 3870 \\ (3560 \text { to } 4170) \end{gathered}$ | $\begin{gathered} 849 \\ (781 \text { to } 915) \end{gathered}$ | $\begin{gathered} 2590 \\ (2380 \text { to } 2790) \end{gathered}$ | $\begin{gathered} 427 \\ (393 \text { to } 461) \end{gathered}$ | $\begin{gathered} 4940 \\ (4420 \text { to } 5450) \end{gathered}$ | $\begin{gathered} 997 \\ (892 \text { to } 1100) \end{gathered}$ | $\begin{gathered} 3190 \\ (2860 \text { to } 3520) \end{gathered}$ | $\begin{gathered} 751 \\ \text { (672 to } 829) \end{gathered}$ | $\begin{aligned} & 1 \cdot 2 \% \\ & (1 \cdot 1 \text { to } 1 \cdot 3) \end{aligned}$ |
| Israel | $\begin{gathered} 6390 \\ (5760 \text { to } 7070) \end{gathered}$ | $\begin{gathered} 1840 \\ (1660 \text { to 2040) } \end{gathered}$ | $\begin{gathered} 3940 \\ (3550 \text { to } 4360) \end{gathered}$ | $\begin{gathered} 614 \\ \text { (554 to } 680 \text { ) } \end{gathered}$ | $\begin{gathered} 9590 \\ \text { (8200 to 11000) } \end{gathered}$ | $\begin{gathered} 2630 \\ (2250 \text { to } 3030) \end{gathered}$ | $\begin{gathered} 5770 \\ (4930 \text { to } 6640) \end{gathered}$ | $\begin{gathered} 1200 \\ (1020 \text { to } 1380) \end{gathered}$ | $\begin{aligned} & 1.9 \% \\ & (1.7 \text { to } 2 \cdot 1) \end{aligned}$ |
| Italy | $\begin{gathered} 56700 \\ (52400 \text { to } 60700) \end{gathered}$ | $\begin{gathered} 8100 \\ (7500 \text { to } 8680) \end{gathered}$ | $\begin{aligned} & 38200 \\ & (35300 \text { to } 40900) \end{aligned}$ | $\begin{aligned} & 10400 \\ & (9600 \text { to } 11100) \end{aligned}$ | $\begin{aligned} & 59800 \\ & (54400 \text { to } 65100) \end{aligned}$ | $\begin{gathered} 7600 \\ (6910 \text { to } 8270) \end{gathered}$ | $\begin{gathered} 38200 \\ (34700 \text { to } 41600) \end{gathered}$ | $\begin{aligned} & 14000 \\ & (12700 \text { to } 15300) \end{aligned}$ | $\begin{aligned} & 0.3 \% \\ & (0.2 \text { to 0.3) } \end{aligned}$ |
| Luxembourg | $\begin{gathered} 434 \\ (401 \text { to } 466) \end{gathered}$ | $\begin{gathered} 81 \cdot 9 \\ \text { ( } 75.8 \text { to } 88 \cdot 1 \text { ) } \end{gathered}$ | $\begin{gathered} 291 \\ (270 \text { to } 313) \end{gathered}$ | $\begin{gathered} 60 \cdot 3 \\ \text { ( } 55 \cdot 8 \text { to } 64 \cdot 8 \text { ) } \end{gathered}$ | $\begin{gathered} 644 \\ \text { (589 to } 703 \text { ) } \end{gathered}$ | $\begin{gathered} 101 \\ (92 \cdot 5 \text { to } 110) \end{gathered}$ | $\begin{gathered} 447 \\ \text { (409 to } 488 \text { ) } \end{gathered}$ | $\begin{gathered} 96 \\ \text { (87.8 to 105) } \end{gathered}$ | $\begin{aligned} & 1.9 \% \\ & \text { (1.8 to 1.9) } \end{aligned}$ |
| (Table 5 continues on next page) |  |  |  |  |  |  |  |  |  |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15 years | 15-64 years | $\geq 65$ years | All ages | <15years | 15-64 years | 265 years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Malta | $\begin{gathered} 402 \\ \text { (363 to } 442 \text { ) } \end{gathered}$ | $\begin{gathered} 80.1 \\ \text { (72.3 to } 88 \cdot 2 \text { ) } \end{gathered}$ | $\begin{gathered} 272 \\ \text { (246 to } 299 \text { ) } \end{gathered}$ | $\begin{gathered} 50 \\ (45 \cdot 1 \text { to } 55) \end{gathered}$ | $\begin{gathered} 442 \\ \text { (384 to 500) } \end{gathered}$ | $\begin{gathered} 64 \\ \text { (55•7 to } 72 \cdot 4) \end{gathered}$ | $\begin{gathered} 278 \\ \text { (242 to } 315 \text { ) } \end{gathered}$ | $\begin{gathered} 100 \\ (87 \text { to } 113) \end{gathered}$ | $\begin{aligned} & 0.4 \% \\ & (0.3 \text { to } 0.6) \end{aligned}$ |
| Monaco | $\begin{gathered} 33 \\ \text { (30.8 to } 35 \cdot 4 \text { ) } \end{gathered}$ | ${ }_{(4 \text { to } 4.7)}{ }^{4 \cdot 3}$ | $\begin{gathered} 20 \cdot 9 \\ \text { (19.5 to } 22 \cdot 4 \text { ) } \end{gathered}$ | $\begin{gathered} 7.8 \\ \text { (7.2 to } 8 \cdot 3 \text { ) } \end{gathered}$ | $\begin{gathered} 37.9 \\ \text { (34.3 to 41.4) } \end{gathered}$ | $\begin{gathered} 5 \\ (4 \cdot 5 \text { to } 5 \cdot 4) \end{gathered}$ | $\begin{array}{r} 23 \cdot 2 \\ (21 \text { to } 25 \cdot 4) \end{array}$ | $\begin{gathered} 9.7 \\ (8.8 \text { to } 10.6) \end{gathered}$ | $\begin{aligned} & 0.7 \% \\ & (0.5 \text { to } 0.8) \end{aligned}$ |
| Netherlands | $\begin{aligned} & 15900 \\ & (15800 \text { to } 16000) \end{aligned}$ | $\begin{gathered} 2950 \\ (2930 \text { to } 2980) \end{gathered}$ | $\begin{gathered} 10800 \\ (10700 \text { to } 10900) \end{gathered}$ | $\begin{aligned} & 2160 \\ & (2140 \text { to 2180) } \end{aligned}$ | $\begin{aligned} & 17200 \\ & \text { (15600 to 18900) } \end{aligned}$ | $\begin{gathered} 2680 \\ (2430 \text { to } 2940) \end{gathered}$ | $\begin{gathered} 11100 \\ (10000 \text { to } 12200) \end{gathered}$ | $\begin{gathered} 3460 \\ \text { (3130 to 3800) } \end{gathered}$ | $\begin{aligned} & 0.4 \% \\ & (-0.1 \text { to } 0.8) \end{aligned}$ |
| Norway | $\begin{gathered} 4480 \\ (4440 \text { to } 4520) \end{gathered}$ | $\begin{gathered} 893 \\ (886 \text { to } 901) \end{gathered}$ | $\begin{gathered} 2900 \\ (2870 \text { to } 2920) \end{gathered}$ | $\begin{gathered} 689 \\ (684 \text { to } 695) \end{gathered}$ | $\begin{gathered} 5420 \\ (4930 \text { to } 5960) \end{gathered}$ | $\begin{gathered} 924 \\ \text { (841 to 1020) } \end{gathered}$ | $\begin{gathered} 3520 \\ \text { (3210 to } 3880 \text { ) } \end{gathered}$ | $\begin{gathered} 972 \\ (885 \text { to 1070) } \end{gathered}$ | $\begin{aligned} & 0.9 \% \\ & (0.5 \text { to } 1.3) \end{aligned}$ |
| Portugal | $\begin{gathered} 10500 \\ (9780 \text { to 11300) } \end{gathered}$ | $\begin{gathered} 1720 \\ (1590 \text { to } 1840) \end{gathered}$ | $\begin{gathered} 7160 \\ \text { (6640 to } 7670 \text { ) } \end{gathered}$ | $\begin{gathered} 1660 \\ (1550 \text { to 1780) } \end{gathered}$ | $\begin{aligned} & 10600 \\ & (9230 \text { to } 12000) \end{aligned}$ | $\begin{gathered} 1360 \\ (1190 \text { to } 1550) \end{gathered}$ | $\begin{gathered} 6830 \\ \text { (5940 to } 7750 \text { ) } \end{gathered}$ | $\begin{gathered} 2420 \\ \text { (2110 to 2750) } \end{gathered}$ | $\begin{aligned} & 0.0 \% \\ & (-0.3 \text { to } 0.3) \end{aligned}$ |
| San Marino | $\begin{array}{r} 27.5 \\ (23 \cdot 9 \text { to } 31) \end{array}$ | $\begin{array}{r} 4.3 \\ (3.7 \text { to } 4.8) \end{array}$ | $\begin{array}{r} 18.6 \\ \text { (16.2 to } 21 \text { ) } \end{array}$ | $\begin{array}{r} 4 \cdot 6 \\ \text { (4 to } 5 \cdot 2) \end{array}$ | $\begin{gathered} 32 \cdot 7 \\ \text { (28.4 to } 37 \cdot 4 \text { ) } \end{gathered}$ | ${ }_{(3.8 \text { to } 5)} \begin{array}{r} 4 \cdot 4 \end{array}$ | $\begin{gathered} 21 \cdot 3 \\ \text { ( } 18 \cdot 4 \text { to } 24 \cdot 3 \text { ) } \end{gathered}$ | $\begin{gathered} 7.1 \\ (6.1 \text { to } 8 \cdot 1) \end{gathered}$ | $\begin{aligned} & 0.8 \% \\ & (0.8 \text { to 0.9) } \end{aligned}$ |
| Spain | $\begin{aligned} & 40800 \\ & (40500 \text { to } 41100) \end{aligned}$ | $\begin{gathered} 6070 \\ (6030 \text { to } 6110) \end{gathered}$ | $\begin{gathered} 27900 \\ (27700 \text { to } 28000) \end{gathered}$ | $\begin{aligned} & 6860 \\ & (6820 \text { to } 6900) \end{aligned}$ | $\begin{aligned} & 45500 \\ & (41000 \text { to } 49 \text { 900) } \end{aligned}$ | $\begin{gathered} 6480 \\ (5830 \text { to } 7100) \end{gathered}$ | $\begin{gathered} 29900 \\ (26900 \text { to } 32700) \end{gathered}$ | $\begin{aligned} & 9190 \\ & (8270 \text { to } 10100) \end{aligned}$ | $\begin{aligned} & 0.5 \% \\ & (0.0 \text { to } 0.9) \end{aligned}$ |
| Sweden | $\begin{gathered} 8900 \\ (8830 \text { to } 8980) \end{gathered}$ | $\begin{gathered} 1630 \\ (1620 \text { to } 1650) \end{gathered}$ | $\begin{gathered} 5730 \\ \text { (5680 to } 5770) \end{gathered}$ | $\begin{aligned} & 1540 \\ & \text { (1530 to 1560) } \end{aligned}$ | $\begin{aligned} & 10400 \\ & (9390 \text { to } 11400) \end{aligned}$ | $\begin{gathered} 1820 \\ (1650 \text { to 2000) } \end{gathered}$ | $\begin{gathered} 6420 \\ \text { (5810 to } 7050 \text { ) } \end{gathered}$ | $\begin{gathered} 2140 \\ \text { (1930 to 2350) } \end{gathered}$ | $\begin{aligned} & 0.7 \% \\ & (0.3 \text { to 1.1) } \end{aligned}$ |
| Switzerland | $\begin{gathered} 7300 \\ (6820 \text { to } 7760) \end{gathered}$ | $\begin{gathered} 1250 \\ (1160 \text { to } 1330) \end{gathered}$ | $\begin{gathered} 4930 \\ (4600 \text { to } 5240) \end{gathered}$ | $\begin{gathered} 1130 \\ (1050 \text { to 1200) } \end{gathered}$ | $\begin{gathered} 8920 \\ \text { (8050 to 9860) } \end{gathered}$ | $\begin{gathered} 1330 \\ (1200 \text { to } 1470) \end{gathered}$ | $\begin{gathered} 5890 \\ \text { (5310 to 6510) } \end{gathered}$ | $\begin{gathered} 1710 \\ \text { (1540 to 1880) } \end{gathered}$ | $\begin{aligned} & 1.0 \% \\ & (0.8 \text { to } 1.1) \end{aligned}$ |
| UK | $\begin{gathered} 59000 \\ (55400 \text { to } 62600) \end{gathered}$ | $\begin{aligned} & 11200 \\ & \text { (10500 to } 11900) \end{aligned}$ | $\begin{gathered} 38500 \\ (36100 \text { to } 40800) \end{gathered}$ | $\begin{gathered} 9310 \\ (8730 \text { to } 9880) \end{gathered}$ | $\begin{aligned} & 67800 \\ & (63900 \text { to } 71600) \end{aligned}$ | $\begin{aligned} & 11800 \\ & (11100 \text { to } 12400) \end{aligned}$ | $\begin{gathered} 43600 \\ (41000 \text { to } 46000) \end{gathered}$ | $\begin{aligned} & 12500 \\ & (11800 \text { to } 13200) \end{aligned}$ | $\begin{aligned} & 0.7 \% \\ & (0.6 \text { to } 0.7) \end{aligned}$ |
| England | $\begin{gathered} 49200 \\ (45600 \text { to } 52900) \end{gathered}$ | $\begin{gathered} 9330 \\ (8640 \text { to } 10000) \end{gathered}$ | $\begin{gathered} 32100 \\ (29800 \text { to } 34500) \end{gathered}$ | $\begin{aligned} & 7780 \\ & (7210 \text { to } 8360) \end{aligned}$ | $\begin{gathered} 57300 \\ (53400 \text { to } 60 \text { g00) } \end{gathered}$ | $\begin{aligned} & 10000 \\ & (9370 \text { to 10700) } \end{aligned}$ | $\begin{gathered} 36800 \\ \text { (34300 to 39100) } \end{gathered}$ | $\begin{aligned} & 10400 \\ & (9730 \text { to } 11100) \end{aligned}$ | $\begin{aligned} & 0.7 \% \\ & (0.7 \text { to } 0.7) \end{aligned}$ |
| Northern Ireland | $\begin{gathered} 1700 \\ (1570 \text { to } 1840) \end{gathered}$ | $\begin{gathered} 384 \\ (355 \text { to } 416) \end{gathered}$ | $\begin{gathered} 1100 \\ (1020 \text { to 1190) } \end{gathered}$ | $\begin{gathered} 219 \\ (202 \text { to } 237) \end{gathered}$ | $\begin{gathered} 1930 \\ (1800 \text { to 2060) } \end{gathered}$ | $\begin{gathered} 372 \\ \text { (346 to 397) } \end{gathered}$ | $\begin{gathered} 1230 \\ (1150 \text { to } 1310) \end{gathered}$ | $\begin{gathered} 328 \\ (305 \text { to } 350) \end{gathered}$ | $\begin{aligned} & 0.6 \% \\ & (0.6 \text { to } 0.6) \end{aligned}$ |
| Scotland | $\begin{gathered} 5140 \\ (4760 \text { to } 5510) \end{gathered}$ | $\begin{gathered} 939 \\ (870 \text { to 1010) } \end{gathered}$ | $\begin{gathered} 3400 \\ \text { (3150 to } 3650 \text { ) } \end{gathered}$ | $\begin{gathered} 802 \\ \text { (743 to } 861 \text { ) } \end{gathered}$ | $\begin{gathered} 5520 \\ (4790 \text { to } 6280) \end{gathered}$ | $\begin{gathered} 843 \\ \text { (732 to } 960 \text { ) } \end{gathered}$ | $\begin{gathered} 3590 \\ (3120 \text { to } 4080) \end{gathered}$ | $\begin{gathered} 1090 \\ (943 \text { to } 1240) \end{gathered}$ | $\begin{aligned} & 0.3 \% \\ & (0.0 \text { to 0.6) } \end{aligned}$ |
| Wales | $\begin{gathered} 2950 \\ (2730 \text { to } 3180) \end{gathered}$ | $\begin{gathered} 567 \\ \text { (526 to } 612 \text { ) } \end{gathered}$ | $\begin{gathered} 1870 \\ (1740 \text { to 2020) } \end{gathered}$ | $\begin{gathered} 506 \\ (468 \text { to } 546) \end{gathered}$ | $\begin{gathered} 3150 \\ (2940 \text { to } 3370) \end{gathered}$ | $\begin{gathered} 524 \\ \text { (489 to } 560 \text { ) } \end{gathered}$ | $\begin{gathered} 1960 \\ (1830 \text { to } 2100) \end{gathered}$ | $\begin{gathered} 664 \\ (620 \text { to } 709) \end{gathered}$ | $\begin{aligned} & 0.3 \% \\ & (0.3 \text { to } 0.4) \end{aligned}$ |
| Latin America and Caribbean | $\begin{aligned} & 465000 \\ & (450000 \text { to } \\ & 480000) \end{aligned}$ | $\begin{aligned} & 152000 \\ & (148000 \text { to } \\ & 157000) \end{aligned}$ | $\begin{aligned} & 288000 \\ & (278000 \text { to } \\ & 297000) \end{aligned}$ | $\begin{aligned} & 25100 \\ & (24200 \text { to } 25900) \end{aligned}$ | $\begin{aligned} & 594000 \\ & (560000 \text { to } \\ & 626000) \end{aligned}$ | $\begin{aligned} & 143000 \\ & (136000 \text { to } \\ & 150000) \end{aligned}$ | $\begin{aligned} & 398000 \\ & (374000 \text { to } \\ & 420000) \end{aligned}$ | $\begin{aligned} & 53200 \\ & (49800 \text { to } 56400) \end{aligned}$ | $\begin{aligned} & 1.2 \% \\ & (1.0 \text { to } 1.3) \end{aligned}$ |
| Andean Latin America | $\begin{gathered} 46300 \\ (43400 \text { to } 49200) \end{gathered}$ | $\begin{aligned} & 16500 \\ & (15500 \text { to } 17500) \end{aligned}$ | $\begin{gathered} 27400 \\ (25700 \text { to } 29200) \end{gathered}$ | $\begin{aligned} & 2390 \\ & (2240 \text { to } 2540) \end{aligned}$ | $\begin{aligned} & 66100 \\ & (61400 \text { to } 70300) \end{aligned}$ | $\begin{gathered} 18100 \\ (16800 \text { to 19200) } \end{gathered}$ | $\begin{gathered} 43000 \\ (40000 \text { to } 45700) \end{gathered}$ | $\begin{gathered} 5020 \\ (4660 \text { to } 5340) \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & (1.6 \text { to } 1.8) \end{aligned}$ |
| Bolivia | $\begin{gathered} 8290 \\ (7670 \text { to } 8910) \end{gathered}$ | $\begin{gathered} 3230 \\ (2990 \text { to } 3470) \end{gathered}$ | $\begin{gathered} 4690 \\ \text { (4340 to 5030) } \end{gathered}$ | $\begin{gathered} 373 \\ \text { (345 to 401) } \end{gathered}$ | $\begin{gathered} 11800 \\ (10300 \text { to } 13300) \end{gathered}$ | $\begin{gathered} 3490 \\ (3050 \text { to } 3930) \end{gathered}$ | $\begin{gathered} 7560 \\ (6620 \text { to } 8520) \end{gathered}$ | $\begin{gathered} 750 \\ (656 \text { to } 845) \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & (1.4 \text { to 1.9) } \end{aligned}$ |
| Ecuador | $\begin{gathered} 12500 \\ (11600 \text { to } 13500) \end{gathered}$ | $\begin{gathered} 4550 \\ (4210 \text { to } 4900) \end{gathered}$ | $\begin{gathered} 7360 \\ (6810 \text { to } 7930) \end{gathered}$ | $\begin{gathered} 628 \\ \text { (581 to } 677 \text { ) } \end{gathered}$ | $\begin{gathered} 18100 \\ (15500 \text { to } 20500) \end{gathered}$ | $\begin{gathered} 5070 \\ (4350 \text { to } 5750) \end{gathered}$ | $\begin{aligned} & 11600 \\ & (9930 \text { to } 13100) \end{aligned}$ | $\begin{gathered} 1420 \\ (1220 \text { to 1610) } \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & \text { (1.4 to 2.0) } \end{aligned}$ |
| Peru | $\begin{gathered} 25500 \\ \text { (22 900 to } 28200 \text { ) } \end{gathered}$ | $\begin{gathered} 8690 \\ (7820 \text { to } 9620) \end{gathered}$ | $\begin{gathered} 15400 \\ \text { (13800 to 17000) } \end{gathered}$ | $\begin{aligned} & 1390 \\ & (1250 \text { to 1530) } \end{aligned}$ | $\begin{gathered} 36300 \\ (32900 \text { to 39700) } \end{gathered}$ | $\begin{gathered} 9540 \\ (8650 \text { to } 10400) \end{gathered}$ | $\begin{aligned} & 23900 \\ & \text { (21700 to } 26100 \text { ) } \end{aligned}$ | $\begin{gathered} 2850 \\ (2580 \text { to } 3120) \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & (1.6 \text { to 1.7) } \end{aligned}$ |
| Caribbean | $\begin{gathered} 40100 \\ (38700 \text { to } 41600) \end{gathered}$ | $\begin{gathered} 12100 \\ (11600 \text { to } 12500) \end{gathered}$ | $\begin{gathered} 25200 \\ (24300 \text { to } 26100) \end{gathered}$ | $\begin{gathered} 2870 \\ \text { (2760 to 2970) } \end{gathered}$ | $\begin{gathered} 47500 \\ (44300 \text { to } 50900) \end{gathered}$ | $\begin{gathered} 11500 \\ (10600 \text { to } 12500) \end{gathered}$ | $\begin{gathered} 31200 \\ \text { (29200 to 33500) } \end{gathered}$ | $\begin{gathered} 4750 \\ (4470 \text { to } 5050) \end{gathered}$ | $\begin{aligned} & 0.8 \% \\ & (0.6 \text { to } 1.0) \end{aligned}$ |
| Antigua and Barbuda | $\begin{gathered} 76 \cdot 4 \\ (70 \cdot 3 \text { to } 82 \cdot 2) \end{gathered}$ | $\begin{gathered} 21 \cdot 6 \\ (19 \cdot 9 \text { to } 23 \cdot 2) \end{gathered}$ | $\begin{gathered} 49 \cdot 7 \\ (45 \cdot 7 \text { to } 53 \cdot 4) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.7 \text { to } 5 \cdot 5) \end{gathered}$ | $\begin{gathered} 89.4 \\ \text { (78.4 to } 100 \text { ) } \end{gathered}$ | $\begin{array}{r} 16 \cdot 9 \\ \text { (14.8 to } 19) \end{array}$ | $\begin{gathered} 63 \cdot 6 \\ (55 \cdot 7 \text { to } 71 \cdot 4) \end{gathered}$ | $\begin{array}{r} 8.9 \\ (7.8 \text { to } 10) \end{array}$ | $\begin{aligned} & 0.7 \% \\ & (0.5 \text { to } 1.0) \end{aligned}$ |
| The Bahamas | $\begin{gathered} 303 \\ \text { (283 to } 325 \text { ) } \end{gathered}$ | $\begin{gathered} 85 \cdot 4 \\ (79 \cdot 7 \text { to } 91 \cdot 4) \end{gathered}$ | $\begin{gathered} 202 \\ (188 \text { to } 216) \end{gathered}$ | $\begin{gathered} 16 \\ \text { (14.9 to 17.1) } \end{gathered}$ | $\begin{gathered} 388 \\ \text { (334 to } 444 \text { ) } \end{gathered}$ | $\begin{gathered} 81 \cdot 2 \\ \text { (69.9 to } 92 \cdot 9 \text { ) } \end{gathered}$ | $\begin{gathered} 275 \\ \text { (237 to } 314 \text { ) } \end{gathered}$ | $\begin{gathered} 31 \cdot 8 \\ (27 \cdot 4 \text { to } 36 \cdot 4) \end{gathered}$ | $\begin{aligned} & 1.2 \% \\ & (0.8 \text { to } 1.5) \end{aligned}$ |
| (Table 5 continues on next page) |  |  |  |  |  |  |  |  |  |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15 years | 15-64years | 265 years | All ages | $<15$ years | 15-64 years | $\geq 65$ years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Barbados | $\begin{gathered} 257 \\ \text { (240 to 273) } \end{gathered}$ | $\begin{array}{r} 56 \cdot 7 \\ \text { (53 to } 60 \cdot 3 \text { ) } \end{array}$ | $\begin{gathered} 170 \\ \text { (158 to 180) } \end{gathered}$ | $\begin{gathered} 30.6 \\ \text { (28.6 to } 32.5 \text { ) } \end{gathered}$ | $\begin{gathered} 299 \\ (260 \text { to } 342) \end{gathered}$ | $\begin{gathered} 47 \cdot 1 \\ (40 \cdot 9 \text { to } 53 \cdot 9) \end{gathered}$ | $\begin{gathered} 203 \\ \text { (176 to } 232 \text { ) } \end{gathered}$ | $\begin{gathered} 49 \cdot 2 \\ (42.7 \text { to } 56 \cdot 3) \end{gathered}$ | $\begin{aligned} & 0.7 \% \\ & (0.4 \text { to 1.1) } \end{aligned}$ |
| Belize | $\begin{gathered} 240 \\ \text { (223 to 256) } \end{gathered}$ | $\begin{gathered} 93 \cdot 7 \\ \text { (87.1 to } 100 \text { ) } \end{gathered}$ | $\begin{gathered} 136 \\ \text { (126 to 145) } \end{gathered}$ | $\begin{gathered} 10.2 \\ (9.5 \text { to } 10.9) \end{gathered}$ | $\begin{gathered} 429 \\ \text { (369 to 489) } \end{gathered}$ | $\begin{gathered} 123 \\ \text { (106 to 140) } \end{gathered}$ | $\begin{gathered} 284 \\ (244 \text { to } 323) \end{gathered}$ | $\begin{gathered} 22 \cdot 5 \\ (19 \cdot 3 \text { to } 25 \cdot 6) \end{gathered}$ | $\begin{gathered} 2 \cdot 8 \% \\ (2 \cdot 4 \text { to 3•1) } \end{gathered}$ |
| Bermuda | $\begin{gathered} 63 \cdot 3 \\ (59 \cdot 3 \text { to } 67 \cdot 3) \end{gathered}$ | $\begin{gathered} 12 \cdot 1 \\ \text { (11.3 to } 12 \cdot 8 \text { ) } \end{gathered}$ | $\begin{gathered} 44 \cdot 5 \\ (41 \cdot 6 \text { to } 47 \cdot 3) \end{gathered}$ | $\begin{array}{r} 6.8 \\ (6.4 \text { to } 7.2) \end{array}$ | $\begin{gathered} 63 \cdot 5 \\ (57 \cdot 4 \text { to } 69 \cdot 9) \end{gathered}$ | $\begin{array}{r} 8.4 \\ (7.6 \text { to } 9.3) \end{array}$ | $\begin{gathered} 42 \\ \text { (37.9 to } 46 \cdot 2) \end{gathered}$ | $\begin{gathered} 13 \cdot 1 \\ \text { (11.9 to } 14.5) \end{gathered}$ | $\begin{aligned} & 0.0 \% \\ & (-0.2 \text { to } 0.2) \end{aligned}$ |
| Cuba | $\begin{gathered} 11400 \\ (10500 \text { to } 12300) \end{gathered}$ | $\begin{gathered} 2440 \\ (2250 \text { to } 2630) \end{gathered}$ | $\begin{gathered} 7840 \\ \text { (7220 to 8450) } \end{gathered}$ | $\begin{gathered} 1120 \\ (1030 \text { to } 1200) \end{gathered}$ | $\begin{gathered} 11300 \\ \text { (9910 to } 12700 \text { ) } \end{gathered}$ | $\begin{gathered} 1780 \\ (1560 \text { to } 2000) \end{gathered}$ | $\begin{gathered} 7720 \\ (6790 \text { to } 8690) \end{gathered}$ | $\begin{gathered} 1770 \\ (1560 \text { to 1990) } \end{gathered}$ | $\begin{aligned} & -0.1 \% \\ & (-0.3 \text { to } 0.2) \end{aligned}$ |
| Dominica | $\begin{gathered} 68.6 \\ (63.5 \text { to } 73.6) \end{gathered}$ | $\begin{gathered} 21 \\ \text { (19.5 to } 22.6 \text { ) } \end{gathered}$ | $\begin{gathered} 41 \cdot 9 \\ (38.8 \text { to } 44 \cdot 9) \end{gathered}$ | $\begin{gathered} 5 \cdot 7 \\ (5 \cdot 3 \text { to } 6 \cdot 1) \end{gathered}$ | $\begin{gathered} 67 \cdot 1 \\ \text { (58.4 to } 76 \cdot 2 \text { ) } \end{gathered}$ | $\begin{gathered} 13.7 \\ \text { (11.9 to } 15 \cdot 6 \text { ) } \end{gathered}$ | $\begin{gathered} 46 \cdot 1 \\ (40 \cdot 2 \text { to } 52 \cdot 4) \end{gathered}$ | $\begin{gathered} 7.3 \\ (6 \cdot 3 \text { to } 8 \cdot 3) \end{gathered}$ | $\begin{aligned} & -0.1 \% \\ & (-0.4 \text { to } 0.2) \end{aligned}$ |
| Dominican Republic | $\begin{gathered} 8600 \\ (7900 \text { to } 9250) \end{gathered}$ | $\begin{gathered} 2990 \\ \text { (2750 to } 3220) \end{gathered}$ | $\begin{gathered} 5150 \\ (4730 \text { to } 5550) \end{gathered}$ | $\begin{gathered} 451 \\ (415 \text { to } 486) \end{gathered}$ | $\begin{aligned} & 11000 \\ & (9390 \text { to } 12600) \end{aligned}$ | $\begin{gathered} 2940 \\ (2510 \text { to } 3350) \end{gathered}$ | $\begin{gathered} 7230 \\ (6170 \text { to } 8260) \end{gathered}$ | $\begin{gathered} 843 \\ \text { (719 to } 963 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.2 \% \\ & (0.8 \text { to } 1.5) \end{aligned}$ |
| Grenada | $\begin{gathered} 104 \\ \text { (95•9 to 112) } \end{gathered}$ | $\begin{gathered} 31 \cdot 9 \\ (29 \cdot 4 \text { to } 34 \cdot 4) \end{gathered}$ | $\begin{array}{r} 66 \cdot 1 \\ \text { (61 to } 71 \cdot 2 \text { ) } \end{array}$ | $\begin{gathered} 5 \cdot 9 \\ (5 \cdot 5 \text { to } 6 \cdot 4) \end{gathered}$ | $\begin{gathered} 103 \\ (88 \cdot 9 \text { to } 116) \end{gathered}$ | $\begin{gathered} 21.8 \\ \text { (18.9 to } 24.6 \text { ) } \end{gathered}$ | $\begin{gathered} 71 \cdot 5 \\ \text { ( } 61 \cdot 9 \text { to } 80 \cdot 5 \text { ) } \end{gathered}$ | $\begin{gathered} 9 \cdot 3 \\ \text { (8.1 to } 10 \cdot 5 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.1 \% \\ & (-0.4 \text { to } 0.2) \end{aligned}$ |
| Guyana | $\begin{gathered} 779 \\ \text { (719 to 842) } \end{gathered}$ | $\begin{gathered} 284 \\ (262 \text { to } 307) \end{gathered}$ | $\begin{gathered} 463 \\ (428 \text { to } 501) \end{gathered}$ | $\begin{gathered} 31 \cdot 8 \\ (29 \cdot 3 \text { to } 34 \cdot 3) \end{gathered}$ | $\begin{gathered} 765 \\ \text { (670 to } 859 \text { ) } \end{gathered}$ | $\begin{gathered} 213 \\ \text { (187 to } 240) \end{gathered}$ | $\begin{gathered} 501 \\ (439 \text { to } 563) \end{gathered}$ | $\begin{gathered} 50 \\ (43 \cdot 7 \text { to } 56 \cdot 1) \end{gathered}$ | $\begin{aligned} & -0.1 \% \\ & (-0.3 \text { to } 0.1) \end{aligned}$ |
| Haiti | $\begin{gathered} 8190 \\ (7470 \text { to } 8870) \end{gathered}$ | $\begin{gathered} 3260 \\ (2980 \text { to } 3540) \end{gathered}$ | $\begin{gathered} 4610 \\ (4210 \text { to } 5000) \end{gathered}$ | $\begin{gathered} 314 \\ (286 \text { to } 340) \end{gathered}$ | $\begin{aligned} & 12900 \\ & (10700 \text { to 15200) } \end{aligned}$ | $\begin{gathered} 4350 \\ \text { (3620 to 5140) } \end{gathered}$ | $\begin{gathered} 8010 \\ (6660 \text { to } 9450) \end{gathered}$ | $\begin{gathered} 506 \\ \text { (421 to 597) } \end{gathered}$ | $\begin{aligned} & 2 \cdot 1 \% \\ & (1.7 \text { to } 2 \cdot 6) \end{aligned}$ |
| Jamaica | $\begin{gathered} 2630 \\ (2450 \text { to } 2840) \end{gathered}$ | $\begin{gathered} 840 \\ \text { (781 to 905) } \end{gathered}$ | $\begin{gathered} 1590 \\ (1480 \text { to } 1720) \end{gathered}$ | $\begin{gathered} 200 \\ (186 \text { to } 215) \end{gathered}$ | $\begin{gathered} 2800 \\ (2450 \text { to } 3160) \end{gathered}$ | $\begin{gathered} 584 \\ \text { (511 to } 660 \text { ) } \end{gathered}$ | $\begin{gathered} 1950 \\ (1700 \text { to } 2200) \end{gathered}$ | $\begin{gathered} 269 \\ (236 \text { to } 304) \end{gathered}$ | $\begin{aligned} & 0.3 \% \\ & (0.0 \text { to } 0.5) \end{aligned}$ |
| Puerto Rico | $\begin{gathered} 3880 \\ (3620 \text { to } 4130) \end{gathered}$ | $\begin{gathered} 925 \\ (862 \text { to } 985) \end{gathered}$ | $\begin{gathered} 2530 \\ (2360 \text { to } 2690) \end{gathered}$ | $\begin{gathered} 428 \\ (398 \text { to } 455) \end{gathered}$ | $\begin{gathered} 3290 \\ (3050 \text { to } 3530) \end{gathered}$ | $\begin{gathered} 444 \\ \text { (411 to } 477 \text { ) } \end{gathered}$ | $\begin{gathered} 2120 \\ \text { (1970 to 2280) } \end{gathered}$ | $\begin{gathered} 725 \\ \text { ( } 671 \text { to } 778 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.8 \% \\ & (-0.8 \text { to }-0.7) \end{aligned}$ |
| Saint Kitts and Nevis | $\begin{array}{r} 46 \cdot 4 \\ (42 \cdot 9 \text { to } 50) \end{array}$ | $\begin{gathered} 13 \cdot 7 \\ \text { (12.6 to } 14 \cdot 7 \text { ) } \end{gathered}$ | $\begin{gathered} 29 \cdot 2 \\ \text { (27 to } 31 \cdot 4 \text { ) } \end{gathered}$ | $\begin{array}{r} 3.6 \\ (3.3 \text { to } 3.8) \end{array}$ | $\begin{gathered} 58 \cdot 6 \\ (48 \cdot 5 \text { to } 69 \cdot 6) \end{gathered}$ | $\begin{array}{r} 9.8 \\ (8.1 \text { to } 11.7) \end{array}$ | $\begin{gathered} 43 \cdot 4 \\ \text { (35.9 to } 51 \cdot 5 \text { ) } \end{gathered}$ | $\begin{gathered} 5 \cdot 4 \\ (4 \cdot 4 \text { to } 6 \cdot 4) \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (0.6 \text { to } 1.6) \end{aligned}$ |
| Saint Lucia | $\begin{gathered} 155 \\ \text { (144 to } 166 \text { ) } \end{gathered}$ | $\begin{gathered} 49 \cdot 1 \\ (45 \cdot 4 \text { to } 52 \cdot 7) \end{gathered}$ | $\begin{gathered} 95 \cdot 7 \\ (88.6 \text { to } 103) \end{gathered}$ | $\begin{gathered} 10 \cdot 3 \\ (9.6 \text { to 11.1) } \end{gathered}$ | $\begin{gathered} 178 \\ \text { (152 to 202) } \end{gathered}$ | $\begin{gathered} 29.7 \\ \text { (25.4 to } 33 \cdot 7 \text { ) } \end{gathered}$ | $\begin{gathered} 127 \\ \text { (109 to } 144 \text { ) } \end{gathered}$ | $\begin{gathered} 20 \cdot 6 \\ (17 \cdot 6 \text { to } 23 \cdot 4) \end{gathered}$ | $\begin{aligned} & 0.6 \% \\ & (0.3 \text { to 0.9) } \end{aligned}$ |
| Saint Vincent and the Grenadines | $\begin{gathered} 110 \\ \text { (102 to 118) } \end{gathered}$ | $\begin{gathered} 34 \cdot 8 \\ \text { (32.3 to } 37 \cdot 3 \text { ) } \end{gathered}$ | $\begin{gathered} 67.5 \\ (62.7 \text { to } 72.5) \end{gathered}$ | $\begin{array}{r} 7.5 \\ (7 \text { to } 8.1)^{2} \end{array}$ | $\begin{gathered} 114 \\ \text { (100 to 129) } \end{gathered}$ | $\begin{gathered} 25 \\ \text { (21-9 to } 28 \cdot 2 \text { ) } \end{gathered}$ | $\begin{gathered} 76 \cdot 6 \\ (67 \cdot 1 \text { to } 86 \cdot 6) \end{gathered}$ | $\begin{gathered} 12 \cdot 6 \\ \text { (11 to } 14 \cdot 2 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.2 \% \\ & (-0.1 \text { to } 0.4) \end{aligned}$ |
| Suriname | $\begin{gathered} 449 \\ (418 \text { to } 479) \end{gathered}$ | $\begin{gathered} 135 \\ \text { (126 to } 144 \text { ) } \end{gathered}$ | $\begin{gathered} 287 \\ (267 \text { to } 306) \end{gathered}$ | $\begin{gathered} 26.9 \\ \text { (25 to } 28.7 \text { ) } \end{gathered}$ | $\begin{gathered} 579 \\ \text { (510 to } 654 \text { ) } \end{gathered}$ | $\begin{gathered} 143 \\ \text { (126 to } 162 \text { ) } \end{gathered}$ | $\begin{gathered} 384 \\ \text { (338 to 434) } \end{gathered}$ | $\begin{gathered} 51 \cdot 8 \\ \text { (45.6 to } 58 \cdot 5 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.2 \% \\ & (0.9 \text { to } 1.5) \end{aligned}$ |
| Trinidad and Tobago | $\begin{gathered} 1290 \\ (1200 \text { to 1380) } \end{gathered}$ | $\begin{gathered} 331 \\ \text { (309 to } 354 \text { ) } \end{gathered}$ | $\begin{gathered} 871 \\ (812 \text { to } 930) \end{gathered}$ | $\begin{gathered} 89.6 \\ (83.5 \text { to } 95 \cdot 6) \end{gathered}$ | $\begin{gathered} 1390 \\ (1210 \text { to } 1570) \end{gathered}$ | $\begin{gathered} 272 \\ (236 \text { to } 307) \end{gathered}$ | $\begin{gathered} 943 \\ \text { (816 to 1060) } \end{gathered}$ | $\begin{gathered} 178 \\ \text { (154 to 200) } \end{gathered}$ | $\begin{aligned} & 0.4 \% \\ & (0.0 \text { to } 0.6) \end{aligned}$ |
| Virgin Islands | $\begin{gathered} 111 \\ \text { (104 to 119) } \end{gathered}$ | $\begin{gathered} 29.7 \\ \text { (27.8 to } 31.7 \text { ) } \end{gathered}$ | $\begin{gathered} 72.5 \\ \text { (67.9 to } 77.5 \text { ) } \end{gathered}$ | $\begin{gathered} 9 \cdot 1 \\ (8.6 \text { to } 9 \cdot 8) \end{gathered}$ | $\begin{gathered} 85 \cdot 9 \\ (79 \cdot 8 \text { to } 91 \cdot 9) \end{gathered}$ | $\begin{gathered} 13 \cdot 4 \\ (12 \cdot 4 \text { to } 14 \cdot 3) \end{gathered}$ | $\begin{array}{r} 53 \cdot 9 \\ (50 \text { to } 57.6) \end{array}$ | $\begin{gathered} 18.6 \\ \text { (17.3to } 19.9) \end{gathered}$ | $\begin{aligned} & -1 \cdot 2 \% \\ & (-1 \cdot 3 \text { to }-1 \cdot 2) \end{aligned}$ |
| Central Latin America | $\begin{aligned} & 199000 \\ & (191000 \text { to } 208000) \end{aligned}$ | $\begin{aligned} & 70000 \\ & \text { ( } 67400 \text { to } 73000 \text { ) } \end{aligned}$ | $\begin{aligned} & 119000 \\ & (115000 \text { to } 125000) \end{aligned}$ | $\begin{gathered} 9530 \\ \text { (9150 to 9950) } \end{gathered}$ | $\begin{aligned} & 253000 \\ & (242000 \text { to } 265000) \end{aligned}$ | $\begin{aligned} & 63500 \\ & (60800 \text { to } 66400) \end{aligned}$ | $\begin{aligned} & 168000 \\ & (161000 \text { to } 176000) \end{aligned}$ | $\begin{aligned} & 21200 \\ & (20300 \text { to } 22200) \end{aligned}$ | $\begin{aligned} & 1 \cdot 1 \% \\ & (1 \cdot 1 \text { to } 1 \cdot 2) \end{aligned}$ |
| Colombia | $\begin{gathered} 39700 \\ \text { (35700 to 43700) } \end{gathered}$ | $\begin{gathered} 13100 \\ (11800 \text { to } 14500) \end{gathered}$ | $\begin{gathered} 24500 \\ (22000 \text { to } 26900) \end{gathered}$ | $\begin{gathered} 2130 \\ \text { (1910 to 2350) } \end{gathered}$ | $\begin{gathered} 49100 \\ (44500 \text { to } 53500) \end{gathered}$ | $\begin{aligned} & 10600 \\ & (9630 \text { to 11600) } \end{aligned}$ | $\begin{gathered} 33600 \\ (30500 \text { to } 36600) \end{gathered}$ | $\begin{gathered} 4840 \\ (4390 \text { to } 5280) \end{gathered}$ | $\begin{aligned} & 1.0 \% \\ & (1.0 \text { to 1.1) } \end{aligned}$ |
| Costa Rica | $\begin{gathered} 3900 \\ \text { (3640 to 4160) } \end{gathered}$ | $\begin{gathered} 1250 \\ (1170 \text { to } 1340) \end{gathered}$ | $\begin{gathered} 2440 \\ (2270 \text { to } 2590) \end{gathered}$ | $\begin{gathered} 214 \\ (200 \text { to } 228) \end{gathered}$ | $\begin{gathered} 4750 \\ (4180 \text { to } 5340) \end{gathered}$ | $\begin{gathered} 1020 \\ \text { (894 to 1140) } \end{gathered}$ | $\begin{gathered} 3250 \\ \text { (2860 to 3660) } \end{gathered}$ | $\begin{gathered} 481 \\ (423 \text { to } 541) \end{gathered}$ | $\begin{aligned} & 0.9 \% \\ & (0.7 \text { to 1.2) } \end{aligned}$ |
| El Salvador | $\begin{gathered} 5860 \\ (5240 \text { to } 6550) \end{gathered}$ | $\begin{gathered} 2240 \\ (2010 \text { to } 2510) \end{gathered}$ | $\begin{gathered} 3280 \\ (2930 \text { to } 3670) \end{gathered}$ | $\begin{gathered} 336 \\ (301 \text { to } 376) \end{gathered}$ | $\begin{gathered} 6450 \\ (5430 \text { to } 7380) \end{gathered}$ | $\begin{gathered} 1820 \\ \text { (1530 to 2080) } \end{gathered}$ | $\begin{gathered} 4070 \\ (3430 \text { to } 4660) \end{gathered}$ | $\begin{gathered} 557 \\ \text { (469 to 637) } \end{gathered}$ | $\begin{aligned} & 0.4 \% \\ & (0.2 \text { to } 0.6) \end{aligned}$ |
| Guatemala | $\begin{gathered} 11100 \\ \text { (10200 to } 12000 \text { ) } \end{gathered}$ | $\begin{gathered} 5010 \\ (4630 \text { to } 5420) \end{gathered}$ | $\begin{gathered} 5680 \\ (5250 \text { to } 6140) \end{gathered}$ | $\begin{gathered} 388 \\ \text { (359 to } 420 \text { ) } \end{gathered}$ | $\begin{gathered} 15800 \\ (14400 \text { to 17100) } \end{gathered}$ | $\begin{gathered} 4930 \\ (4490 \text { to } 5360) \end{gathered}$ | $\begin{aligned} & 9910 \\ & \text { (9030 to 10800) } \end{aligned}$ | $\begin{gathered} 920 \\ (838 \text { to 1000) } \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & (1.6 \text { to } 1.7) \end{aligned}$ |
| (Table 5 continues on next page) |  |  |  |  |  |  |  |  |  |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Allages | <15 years | 15-64 years | $\geq 65$ years | All ages | <15 years | 15-64 years | $\geq 65$ years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Honduras | $\begin{gathered} 6170 \\ (5720 \text { to } 6660) \end{gathered}$ | $\begin{gathered} 2630 \\ (2440 \text { to } 2840) \end{gathered}$ | $\begin{gathered} 3310 \\ (3070 \text { to } 3570) \end{gathered}$ | $\begin{gathered} 226 \\ (210 \text { to } 244) \end{gathered}$ | $\begin{gathered} 10100 \\ (8910 \text { to 11300) } \end{gathered}$ | $\begin{gathered} 3280 \\ (2890 \text { to } 3660) \end{gathered}$ | $\begin{gathered} 6330 \\ (5580 \text { to } 7060) \end{gathered}$ | $\begin{gathered} 508 \\ (448 \text { to } 567) \end{gathered}$ | $\begin{gathered} 2 \cdot 3 \% \\ (2 \cdot 1 \text { to } 2 \cdot 5) \end{gathered}$ |
| Mexico | $\begin{aligned} & 101000 \\ & (94400 \text { to 108000) } \end{aligned}$ | $\begin{gathered} 34900 \\ (32600 \text { to } 37400) \end{gathered}$ | $\begin{gathered} 61400 \\ (57300 \text { to } 65800) \end{gathered}$ | $\begin{gathered} 4770 \\ (4460 \text { to 5110) } \end{gathered}$ | $\begin{aligned} & 129000 \\ & (119000 \text { to } 139000) \end{aligned}$ | $\begin{aligned} & 32100 \\ & (29600 \text { to } 34500) \end{aligned}$ | $\begin{gathered} 86600 \\ (80000 \text { to } 93300) \end{gathered}$ | $\begin{aligned} & 10600 \\ & (9750 \text { to } 11400) \end{aligned}$ | $\begin{gathered} 1 \cdot 2 \% \\ (1 \cdot 1 \text { to } 1 \cdot 2) \end{gathered}$ |
| Nicaragua | $\begin{gathered} 4930 \\ (4460 \text { to } 5400) \end{gathered}$ | $\begin{gathered} 2010 \\ (1820 \text { to } 2200) \end{gathered}$ | $\begin{gathered} 2740 \\ (2480 \text { to } 3000) \end{gathered}$ | $\begin{gathered} 185 \\ (167 \text { to 203) } \end{gathered}$ | $\begin{gathered} 6670 \\ (5590 \text { to } 7770) \end{gathered}$ | $\begin{gathered} 1980 \\ (1660 \text { to } 2310) \end{gathered}$ | $\begin{gathered} 4300 \\ (3600 \text { to } 5010) \end{gathered}$ | $\begin{gathered} 391 \\ (328 \text { to } 456) \end{gathered}$ | $\begin{aligned} & 1.4 \% \\ & (1.1 \text { to } 1.7) \end{aligned}$ |
| Panama | $\begin{gathered} 2910 \\ (2730 \text { to } 3120) \end{gathered}$ | $\begin{gathered} 927 \\ \text { (868 to 994) } \end{gathered}$ | $\begin{gathered} 1810 \\ (1700 \text { to 1940) } \end{gathered}$ | $\begin{gathered} 175 \\ \text { (164 to 187) } \end{gathered}$ | $\begin{gathered} 4290 \\ (3700 \text { to } 4870) \end{gathered}$ | $\begin{gathered} 1150 \\ (993 \text { to 1310) } \end{gathered}$ | $\begin{gathered} 2750 \\ \text { (2370 to 3120) } \end{gathered}$ | $\begin{gathered} 389 \\ (335 \text { to } 441) \end{gathered}$ | $\begin{aligned} & 1.8 \% \\ & (1 \cdot 4 \text { to } 2 \cdot 1) \end{aligned}$ |
| Venezuela | $\begin{gathered} 23300 \\ (21600 \text { to } 25100) \end{gathered}$ | $\begin{gathered} 7820 \\ (7270 \text { to } 8420) \end{gathered}$ | $\begin{gathered} 14300 \\ (13300 \text { to } 15400) \end{gathered}$ | $\begin{gathered} 1100 \\ (1020 \text { to 1180) } \end{gathered}$ | $\begin{gathered} 26600 \\ (23000 \text { to } 30100) \end{gathered}$ | $\begin{gathered} 6620 \\ (5710 \text { to } 7480) \end{gathered}$ | $\begin{gathered} 17400 \\ (15000 \text { to 19700) } \end{gathered}$ | $\begin{gathered} 2580 \\ (2220 \text { to 2910) } \end{gathered}$ | $\begin{aligned} & 0.6 \% \\ & (0.3 \text { to 0.9) } \end{aligned}$ |
| Tropical Latin America | $\begin{aligned} & 180000 \\ & (168000 \text { to } 192000) \end{aligned}$ | $\begin{gathered} 53900 \\ (50300 \text { to } 57600) \end{gathered}$ | $\begin{aligned} & 116000 \\ & (108000 \text { to } 124000) \end{aligned}$ | $\begin{aligned} & 10300 \\ & \text { (9600 to 11000) } \end{aligned}$ | $\begin{aligned} & 228000 \\ & (196000 \text { to } 258000) \end{aligned}$ | $\begin{aligned} & 50200 \\ & (43300 \text { to } 56900) \end{aligned}$ | $\begin{aligned} & 155000 \\ & (134000 \text { to } 176000) \end{aligned}$ | $\begin{aligned} & 22200 \\ & (19100 \text { to } 25300) \end{aligned}$ | $\begin{aligned} & 1.1 \% \\ & (0.7 \text { to } 1 \cdot 4) \end{aligned}$ |
| Brazil | $\begin{aligned} & 175000 \\ & (162000 \text { to } 187000) \end{aligned}$ | $\begin{gathered} 52000 \\ (48300 \text { to } 55600) \end{gathered}$ | $\begin{aligned} & 113000 \\ & (105000 \text { to } 121000) \end{aligned}$ | $\begin{aligned} & 10000 \\ & (9340 \text { to } 10800) \end{aligned}$ | $\begin{aligned} & 220000 \\ & (188000 \text { to } 251000) \end{aligned}$ | $\begin{aligned} & 48200 \\ & (41100 \text { to } 54900) \end{aligned}$ | $\begin{aligned} & 150000 \\ & (128000 \text { to } 171000) \end{aligned}$ | $\begin{aligned} & 21800 \\ & (18600 \text { to } 24800) \end{aligned}$ | $\begin{aligned} & 1.1 \% \\ & (0.7 \text { to } 1 \cdot 4) \end{aligned}$ |
| Paraguay | $\begin{gathered} 5150 \\ (4730 \text { to } 5580) \end{gathered}$ | $\begin{gathered} 1960 \\ (1800 \text { to } 2130) \end{gathered}$ | $\begin{gathered} 2930 \\ (2690 \text { to } 3180) \end{gathered}$ | $\begin{gathered} 251 \\ \text { (230 to 272) } \end{gathered}$ | $\begin{gathered} 7170 \\ (5860 \text { to } 8460) \end{gathered}$ | $\begin{gathered} 2010 \\ (1640 \text { to } 2370) \end{gathered}$ | $\begin{gathered} 4680 \\ (3830 \text { to } 5520) \end{gathered}$ | $\begin{gathered} 481 \\ (393 \text { to } 568) \end{gathered}$ | $\begin{aligned} & 1.6 \% \\ & (1.0 \text { to } 2.0) \end{aligned}$ |
| North Africa and Middle East | $\begin{aligned} & 421000 \\ & (407000 \text { to } 434000) \end{aligned}$ | $\begin{aligned} & 152000 \\ & (147000 \text { to } \\ & 157000) \end{aligned}$ | $\begin{aligned} & 251000 \\ & (243000 \text { to } \\ & 260000) \end{aligned}$ | $\begin{aligned} & 17400 \\ & (16800 \text { to } 18100) \end{aligned}$ | $\begin{aligned} & 623000 \\ & (600000 \text { to } \\ & 646000) \end{aligned}$ | $\begin{aligned} & 183000 \\ & (175000 \text { to } \\ & 191000) \end{aligned}$ | $\begin{aligned} & 406000 \\ & (390000 \text { to } \\ & 420000) \end{aligned}$ | $\begin{aligned} & 34200 \\ & (32900 \text { to } 35400) \end{aligned}$ | $\begin{aligned} & 1.9 \% \\ & \text { (1.8 to 2.0) } \end{aligned}$ |
| Afghanistan | $\begin{gathered} 15900 \\ (12800 \text { to } 18900) \end{gathered}$ | $\begin{gathered} 7830 \\ \text { (6270 to 9320) } \end{gathered}$ | $\begin{gathered} 7500 \\ (6000 \text { to } 8910) \end{gathered}$ | $\begin{gathered} 604 \\ (484 \text { to } 718) \end{gathered}$ | $\begin{aligned} & 31200 \\ & (21600 \text { to } 40900) \end{aligned}$ | $\begin{gathered} 14200 \\ \text { (9840 to 18600) } \end{gathered}$ | $\begin{gathered} 16400 \\ (11400 \text { to } 21500) \end{gathered}$ | $\begin{gathered} 623 \\ (432 \text { to } 816) \end{gathered}$ | $\begin{gathered} 3.2 \% \\ (2.5 \text { to } 3.6) \end{gathered}$ |
| Algeria | $\begin{gathered} 31000 \\ (28600 \text { to } 33500) \end{gathered}$ | $\begin{gathered} 10700 \\ (9890 \text { to } 11600) \end{gathered}$ | $\begin{aligned} & 18900 \\ & (17500 \text { to } 20400) \end{aligned}$ | $\begin{gathered} 1360 \\ (1260 \text { to } 1470) \end{gathered}$ | $\begin{aligned} & 44200 \\ & (37400 \text { to } 51000) \end{aligned}$ | $\begin{gathered} 13300 \\ (11200 \text { to } 15300) \end{gathered}$ | $\begin{gathered} 28100 \\ (23700 \text { to } 32300) \end{gathered}$ | $\begin{gathered} 2840 \\ (2400 \text { to } 3280) \end{gathered}$ | $\begin{gathered} 1.7 \% \\ (1 \cdot 3 \text { to } 2 \cdot 0) \end{gathered}$ |
| Bahrain | $\begin{gathered} 646 \\ (602 \text { to } 695) \end{gathered}$ | $\begin{gathered} 186 \\ \text { (173 to 200) } \end{gathered}$ | $\begin{gathered} 445 \\ (415 \text { to } 479) \end{gathered}$ | $\begin{gathered} 15 \cdot 1 \\ (14 \cdot 1 \text { to } 16 \cdot 2) \end{gathered}$ | $\begin{gathered} 1530 \\ (1420 \text { to } 1650) \end{gathered}$ | $\begin{gathered} 297 \\ \text { (276 to } 320 \text { ) } \end{gathered}$ | $\begin{gathered} 1180 \\ (1100 \text { to } 1270) \end{gathered}$ | $\begin{gathered} 54 \cdot 5 \\ (50 \cdot 7 \text { to } 58 \cdot 7) \end{gathered}$ | $\begin{aligned} & 4 \cdot 1 \% \\ & (4 \cdot 1 \text { to } 4 \cdot 1) \end{aligned}$ |
| Egypt | $\begin{gathered} 67300 \\ (61500 \text { to } 73000) \end{gathered}$ | $\begin{gathered} 23800 \\ (21800 \text { to } 25900) \end{gathered}$ | $\begin{gathered} 41100 \\ (37600 \text { to } 44600) \end{gathered}$ | $\begin{aligned} & 2290 \\ & (2090 \text { to 2490) } \end{aligned}$ | $\begin{aligned} & 106000 \\ & (95700 \text { to } 116000) \end{aligned}$ | $\begin{aligned} & 36900 \\ & (33400 \text { to } 40400) \end{aligned}$ | $\begin{aligned} & 64400 \\ & (58400 \text { to } 70500) \end{aligned}$ | $\begin{gathered} 4380 \\ (3970 \text { to } 4790) \end{gathered}$ | $\begin{gathered} 2 \cdot 1 \% \\ (2 \cdot 1 \text { to } 2 \cdot 2) \end{gathered}$ |
| Iran | $\begin{gathered} 66200 \\ (60400 \text { to } 72200) \end{gathered}$ | $\begin{gathered} 21900 \\ (19900 \text { to } 23800) \end{gathered}$ | $\begin{gathered} 41300 \\ (37700 \text { to } 45100) \end{gathered}$ | $\begin{gathered} 3040 \\ (2770 \text { to 3310) } \end{gathered}$ | $\begin{aligned} & 85400 \\ & (76900 \text { to } 93900) \end{aligned}$ | $\begin{gathered} 20200 \\ (18200 \text { to } 22200) \end{gathered}$ | $\begin{gathered} 59200 \\ (53300 \text { to } 65100) \end{gathered}$ | $\begin{gathered} 6010 \\ (5410 \text { to } 6610) \end{gathered}$ | $\begin{gathered} 1 \cdot 2 \% \\ (1 \cdot 1 \text { to } 1 \cdot 3) \end{gathered}$ |
| Iraq | $\begin{gathered} 25100 \\ (21600 \text { to } 29100) \end{gathered}$ | $\begin{gathered} 10200 \\ (8790 \text { to } 11800) \end{gathered}$ | $\begin{gathered} 14100 \\ (12100 \text { to } 16400) \end{gathered}$ | $\begin{gathered} 762 \\ (654 \text { to } 881) \end{gathered}$ | $\begin{gathered} 41200 \\ (29200 \text { to } 52100) \end{gathered}$ | $\begin{gathered} 13500 \\ \text { (9520 to 17000) } \end{gathered}$ | $\begin{gathered} 26100 \\ (18500 \text { to } 32900) \end{gathered}$ | $\begin{gathered} 1680 \\ (1190 \text { to } 2120) \end{gathered}$ | $\begin{aligned} & 2.3 \% \\ & (1.4 \text { to } 2.8) \end{aligned}$ |
| Jordan | $\begin{gathered} 4820 \\ (4380 \text { to } 5270) \end{gathered}$ | $\begin{gathered} 1900 \\ (1730 \text { to } 2080) \end{gathered}$ | $\begin{gathered} 2780 \\ (2530 \text { to } 3040) \end{gathered}$ | $\begin{gathered} 134 \\ (122 \text { to } 147) \end{gathered}$ | $\begin{gathered} 12300 \\ (11100 \text { to } 13700) \end{gathered}$ | $\begin{gathered} 3630 \\ (3260 \text { to } 4030) \end{gathered}$ | $\begin{gathered} 8180 \\ (7340 \text { to } 9080) \end{gathered}$ | $\begin{gathered} 512 \\ (459 \text { to } 568) \end{gathered}$ | $\begin{aligned} & 4 \cdot 5 \% \\ & (4 \cdot 4 \text { to } 4 \cdot 5) \end{aligned}$ |
| Kuwait | $\begin{gathered} 1920 \\ (1720 \text { to } 2110) \end{gathered}$ | $\begin{gathered} 530 \\ (476 \text { to } 583) \end{gathered}$ | $\begin{gathered} 1320 \\ (1180 \text { to } 1450) \end{gathered}$ | $\begin{gathered} 67 \cdot 1 \\ (60 \cdot 2 \text { to } 73 \cdot 8) \end{gathered}$ | $\begin{gathered} 4650 \\ (4030 \text { to } 5280) \end{gathered}$ | $\begin{gathered} 846 \\ (733 \text { to } 959) \end{gathered}$ | $\begin{gathered} 3630 \\ \text { (3150 to 4120) } \end{gathered}$ | $\begin{gathered} 171 \\ (148 \text { to 194) } \end{gathered}$ | $\begin{aligned} & 4 \cdot 2 \% \\ & (4 \cdot 1 \text { to } 4 \cdot 4) \end{aligned}$ |
| Lebanon | $\begin{gathered} 3560 \\ \text { (3200 to } 3970 \text { ) } \end{gathered}$ | $\begin{gathered} 1110 \\ (1000 \text { to } 1240) \end{gathered}$ | $\begin{gathered} 2170 \\ (1950 \text { to } 2420) \end{gathered}$ | $\begin{gathered} 273 \\ (245 \text { to } 304) \end{gathered}$ | $\begin{gathered} 5540 \\ (4670 \text { to } 6390) \end{gathered}$ | $\begin{gathered} 1280 \\ (1080 \text { to } 1470) \end{gathered}$ | $\begin{gathered} 3720 \\ (3130 \text { to } 4290) \end{gathered}$ | $\begin{gathered} 546 \\ (461 \text { to } 630) \end{gathered}$ | $\begin{aligned} & 2 \cdot 1 \% \\ & (1 \cdot 8 \text { to } 2 \cdot 3) \end{aligned}$ |
| Libya | $\begin{gathered} 5090 \\ (4590 \text { to } 5600) \end{gathered}$ | $\begin{gathered} 1790 \\ (1620 \text { to } 1970) \end{gathered}$ | $\begin{gathered} 3100 \\ (2800 \text { to } 3410) \end{gathered}$ | $\begin{gathered} 199 \\ (180 \text { to 219) } \end{gathered}$ | $\begin{gathered} 6870 \\ (5810 \text { to } 7980) \end{gathered}$ | $\begin{gathered} 1490 \\ (1260 \text { to } 1730) \end{gathered}$ | $\begin{gathered} 5030 \\ (4250 \text { to } 5840) \end{gathered}$ | $\begin{gathered} 350 \\ (296 \text { to } 406) \end{gathered}$ | $\begin{aligned} & 1.4 \% \\ & (1.1 \text { to } 1.7) \end{aligned}$ |
| Morocco | $\begin{gathered} 29700 \\ (26800 \text { to } 32600) \end{gathered}$ | $\begin{gathered} 10200 \\ (9240 \text { to } 11200) \end{gathered}$ | $\begin{gathered} 18000 \\ (16200 \text { to } 19800) \end{gathered}$ | $\begin{gathered} 1480 \\ (1330 \text { to } 1620) \end{gathered}$ | $\begin{aligned} & 37200 \\ & (33100 \text { to } 41300) \end{aligned}$ | $\begin{gathered} 9790 \\ (8730 \text { to } 10900) \end{gathered}$ | $\begin{gathered} 24600 \\ (22000 \text { to } 27400) \end{gathered}$ | $\begin{gathered} 2740 \\ (2440 \text { to } 3040) \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (1.0 \text { to } 1.1) \end{aligned}$ |
| Oman | $\begin{gathered} 2330 \\ (2120 \text { to } 2530) \end{gathered}$ | $\begin{gathered} 880 \\ \text { (801 to 956) } \end{gathered}$ | $\begin{gathered} 1400 \\ (1270 \text { to } 1520) \end{gathered}$ | $\begin{gathered} 53 \cdot 2 \\ \text { (48.4 to } 57 \cdot 7 \text { ) } \end{gathered}$ | $\begin{gathered} 4700 \\ (4350 \text { to } 5060) \end{gathered}$ | $\begin{gathered} 1220 \\ (1130 \text { to } 1320) \end{gathered}$ | $\begin{gathered} 3370 \\ (3120 \text { to } 3620) \end{gathered}$ | $\begin{gathered} 115 \\ (107 \text { to } 124) \end{gathered}$ | $\begin{gathered} 3 \cdot 3 \% \\ (3 \cdot 3 \text { to } 3 \cdot 4) \end{gathered}$ |
| (Table 5 continues on next page) |  |  |  |  |  |  |  |  |  |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualisedrate of changein poplation,2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15years | 15-64 years | 266 years | All ages | $<15$ years | 15-64 years | 265 years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Palestine | $\begin{gathered} 3020 \\ (2750 \text { to } 3290) \end{gathered}$ | $\begin{gathered} 1410 \\ \text { (1280to1540) } \end{gathered}$ | $\begin{gathered} 1520 \\ (1390 \text { to } 1660) \end{gathered}$ | $\begin{gathered} 92 \\ (83.8 \text { to 100) } \end{gathered}$ | $\begin{gathered} 5140 \\ (4660 \text { to } 5610) \end{gathered}$ | $\begin{gathered} 1870 \\ \text { (1700 to 2040) } \end{gathered}$ | $\begin{gathered} 3090 \\ (2810 \text { to } 3380) \end{gathered}$ | $\begin{gathered} 176 \\ (160 \text { to 192) } \end{gathered}$ | $\begin{aligned} & 2.5 \% \\ & (2.5 \text { to } 2.6) \end{aligned}$ |
| Qatar | $\begin{gathered} 592 \\ \text { (538 to } 643) \end{gathered}$ | $\begin{gathered} 159 \\ (145 \text { to } 173) \end{gathered}$ | $\begin{gathered} 425 \\ (386 \text { to } 462) \end{gathered}$ | $\begin{gathered} 7.9 \\ (7.2+08.6) \end{gathered}$ | $\begin{gathered} 2980 \\ (2750 \text { to } 3200) \end{gathered}$ | $\begin{gathered} 494 \\ (456 \text { to 531) } \end{gathered}$ | $\begin{gathered} 2450 \\ (2260 \text { to } 2630) \end{gathered}$ | $\begin{gathered} 37 \cdot 1 \\ (34 \cdot 2 \text { to } 39 \cdot 9) \end{gathered}$ | $\begin{gathered} 7.7 \% \\ (7.6607 .8) \end{gathered}$ |
| Saudi Arabia | $\begin{aligned} & 20800 \\ & (18800 \text { to } 22800) \end{aligned}$ | $\begin{gathered} 7480 \\ \text { ( } 6760 \text { to } 8210 \text { ) } \end{gathered}$ | $\begin{aligned} & 127700 \\ & \text { (11500 to } 14000) \end{aligned}$ | $\begin{gathered} 547 \\ (49440600) \end{gathered}$ | $\begin{aligned} & 37700 \\ & (32600 \text { to } 43000) \end{aligned}$ | $\begin{gathered} 7570 \\ (6550 \text { to } 8630) \end{gathered}$ | $\begin{aligned} & 29100 \\ & (25200 \text { to } 33200) \end{aligned}$ | $\begin{gathered} 1020 \\ (884 \text { to 1170) } \end{gathered}$ | $\begin{aligned} & 2.8 \% \\ & (2.6 \text { to } 3.0) \end{aligned}$ |
| Sudan | $\begin{aligned} & 26700 \\ & (23700 \text { to } 29800) \end{aligned}$ | $\begin{gathered} 11900 \\ (10500 \text { to } 13300) \end{gathered}$ | $\begin{aligned} & 13900 \\ & (12300 \text { to } 15500) \end{aligned}$ | $\begin{gathered} 922 \\ \text { (817 to 1030) } \end{gathered}$ | $\begin{aligned} & 43400 \\ & (37000 \text { to } 49700) \end{aligned}$ | $\begin{aligned} & 16600 \\ & (14100 \mathrm{to} 190000) \end{aligned}$ | $\begin{aligned} & 25400 \\ & (21700 \text { to } 29100) \end{aligned}$ | $\begin{gathered} 1390 \\ (1180 \text { to } 1590) \end{gathered}$ | $\begin{aligned} & 2.3 \% \\ & (2.1102 \cdot 4) \end{aligned}$ |
| Syria | $\begin{gathered} 16700 \\ (15100 \text { to } 18200) \end{gathered}$ | $\begin{gathered} 6940 \\ (6260 \text { to } 7550) \end{gathered}$ | $\begin{gathered} 9270 \\ (8360 \text { to } 10100) \end{gathered}$ | $\begin{gathered} 519 \\ (468 \text { to } 565) \end{gathered}$ | $\begin{gathered} 14000 \\ (11500 \text { to } 16200) \end{gathered}$ | $\begin{gathered} 3660 \\ (2990 \text { to } 4240) \end{gathered}$ | $\begin{gathered} 9350 \\ (7640 \text { to } 10800) \end{gathered}$ | $\begin{gathered} 1010 \\ (829 \text { to 1170) } \end{gathered}$ | $\begin{aligned} & -0.9 \% \\ & (-1.3 \text { to }-0.5) \end{aligned}$ |
| Tunisia | $\begin{gathered} 9840 \\ (8930 \text { to } 10800) \end{gathered}$ | $\begin{gathered} 29880 \\ (2710 \text { to } 3260) \end{gathered}$ | 6250 (5670 to 6830) | $\begin{gathered} 607 \\ \text { (551 to } 663) \end{gathered}$ | $\begin{gathered} 11800 \\ (10600 \text { to } 13200) \end{gathered}$ | $\begin{gathered} 2770 \\ (2470 \text { to } 3070) \end{gathered}$ | $\begin{gathered} 7950 \\ (7110 \text { to } 8830) \end{gathered}$ | $\begin{gathered} 1130 \\ (1010 \text { to } 1260) \end{gathered}$ | $\begin{aligned} & 0.9 \% \\ & (0.8 \text { to } 1.0) \end{aligned}$ |
| Türkiye | $\begin{aligned} & 67100 \\ & \text { (58200 to } 75600 \text { ) } \end{aligned}$ | $\begin{gathered} 20100 \\ (17400 \text { to } 22600) \end{gathered}$ | $\begin{gathered} 43100 \\ \text { ( } 37400 \text { to } 48600 \text { ) } \end{gathered}$ | $\begin{gathered} 3940 \\ (3420 \text { to } 4450) \end{gathered}$ | $\begin{gathered} 83600 \\ (77100 \text { to 90000) } \end{gathered}$ | $\begin{aligned} & 18500 \\ & (17100 \text { to } 19900) \end{aligned}$ | $\begin{aligned} & 56900 \\ & (52500 \text { to } 61200) \end{aligned}$ | $\begin{aligned} & 8170 \\ & \text { (7530 to 8790) } \end{aligned}$ | $\begin{aligned} & 1.1 \% \\ & (0.8 \mathrm{to} 1.3) \end{aligned}$ |
| United Arab Emirates | $\begin{gathered} 3230 \\ (2900 \text { to } 3550) \end{gathered}$ | $\begin{gathered} 720 \\ (647 \text { to } 792) \end{gathered}$ | $\begin{gathered} 2480 \\ (2230 \text { to } 2730) \end{gathered}$ | $\begin{gathered} 28.5 \\ (25 \cdot 6 \text { to } 31-4) \end{gathered}$ | $\begin{gathered} 9630 \\ (7900 \text { to 11200) } \end{gathered}$ | $\begin{gathered} 1340 \\ (1100 \text { to } 1560) \end{gathered}$ | $\begin{gathered} 8130 \\ (6670 \text { to } 9470) \end{gathered}$ | $\begin{gathered} 163 \\ (134 \mathrm{to} \mathrm{t90)} \end{gathered}$ | $\begin{aligned} & 5.2 \% \\ & (4.8 \text { to } 5.5) \end{aligned}$ |
| Yemen | $\begin{gathered} 18600 \\ (17000 \text { to 20 200) } \end{gathered}$ | $\begin{gathered} 8970 \\ \text { (8190 to 9730) } \end{gathered}$ | $\begin{gathered} 9160 \\ (8370 \text { to } 9950) \end{gathered}$ | $\begin{gathered} 490 \\ (448 \text { to } 532) \end{gathered}$ | $\begin{gathered} 33600 \\ \text { (28200 to } 39500) \end{gathered}$ | $\begin{gathered} 13800 \\ (11500 \text { to } 16200) \end{gathered}$ | $\begin{aligned} & 18800 \\ & (15800 \text { to } 22100) \end{aligned}$ | $\begin{gathered} 1020 \\ (850 \text { to 1190) } \end{gathered}$ | $\begin{aligned} & 2.8 \% \\ & (2.4 \mathrm{to} 3 \cdot 2) \end{aligned}$ |
| South Asia | 1330000 $(1250000$ to $1400000)$ | $\begin{aligned} & 487000 \\ & (458000 \text { to } \\ & 514000) \end{aligned}$ | $\begin{aligned} & 781000 \\ & (734000 \text { to } \\ & 828000) \end{aligned}$ | 57400 (53800 to 60900) | $\begin{aligned} & 1850000 \\ & (1670000 \text { to } \\ & 2040000) \end{aligned}$ | 507000 (460000 to 557 000) | $\begin{aligned} & 1220000 \\ & (11100000 \text { to } \\ & 1350000) \end{aligned}$ | 120000 (108000 to 133000) | $\begin{aligned} & 1.6 \% \\ & (1.4 \text { to } 1.8) \end{aligned}$ |
| Bangladesh | $\begin{aligned} & 129000 \\ & (120000 \text { to } 1390000) \end{aligned}$ | $\begin{gathered} 52300 \\ (48400 \text { to } 56100) \end{gathered}$ | $\begin{gathered} 72800 \\ (67400 \text { to } 78100) \end{gathered}$ | $\begin{gathered} 4310 \\ (3990 \text { to } 4620) \end{gathered}$ | $\begin{aligned} & 165000 \\ & (143000 \text { to } 186000) \end{aligned}$ | $\begin{aligned} & 45800 \\ & (39700 \text { to } 51600) \end{aligned}$ | $\begin{aligned} & 107000 \\ & (93100 \text { to } 121000) \end{aligned}$ | $\begin{aligned} & 11600 \\ & (10100 \text { to } 13100) \end{aligned}$ | $\begin{aligned} & 1.1 \% \\ & (0.8 \mathrm{to1} \cdot 4) \end{aligned}$ |
| Bhutan | $\begin{gathered} 645 \\ (582 \text { to } 712) \end{gathered}$ | $\begin{gathered} 238 \\ \text { (215 to 263) } \end{gathered}$ | $\begin{gathered} 382 \\ \text { (344 to } 421) \end{gathered}$ | $\begin{gathered} 25 \cdot 2 \\ (22.7 \text { to } 27 \cdot 8) \end{gathered}$ | $\begin{gathered} 757 \\ (685 \text { to } 823) \end{gathered}$ | $\begin{gathered} 187 \\ \text { (169 to 204) } \end{gathered}$ | $\begin{gathered} 520 \\ (470 \text { to } 565) \end{gathered}$ | $\begin{gathered} (45 \cdot 30 \cdot 1054 \cdot 5) \\ \left(\begin{array}{l} 50.1 \end{array}\right) \end{gathered}$ | $\begin{aligned} & 0.8 \% \\ & (0.7 \text { to } 0.8) \end{aligned}$ |
| India | 1030000 (953000 to 1110000) | $\begin{aligned} & 366000 \\ & (338000 \text { to } \\ & 393000) \end{aligned}$ | $\begin{aligned} & 620000 \\ & (572000 \text { to } 666000) \end{aligned}$ | 47000 <br> (43400 to 50600 ) | $\begin{aligned} & 1410000 \\ & (1240000 \text { to } \\ & 1600000) \end{aligned}$ | $\begin{aligned} & 366000 \\ & (3221000 \text { to } \\ & 415000) \end{aligned}$ | 951000 (833000 to $1080000)$ | $\begin{aligned} & 97500 \\ & (85500 \text { to 110000) }) \end{aligned}$ | $\begin{aligned} & 1.5 \% \\ & (1.3 \text { tol.7) } \end{aligned}$ |
| Nepal | $\begin{aligned} & 23900 \\ & (22200 \text { to } 25500 \text { ) } \end{aligned}$ | $\begin{gathered} 9770 \\ \text { (9080 to } 10400 \text { ) } \end{gathered}$ | $\begin{gathered} 13200 \\ (12300 \text { to 14100) } \end{gathered}$ | $\begin{gathered} 904 \\ (840 \text { to } 966) \end{gathered}$ | $\begin{gathered} 31100 \\ (27300 \text { to } 35300) \end{gathered}$ | $\begin{gathered} 9230 \\ (8100 \text { to 10500) } \end{gathered}$ | $\begin{gathered} 20000 \\ (17600 \text { to } 22700) \end{gathered}$ | $\begin{gathered} 1910 \\ (1680 \text { to } 2170) \end{gathered}$ | $\begin{aligned} & 1.2 \% \\ & (1.0 \text { to } 1.5) \end{aligned}$ |
| Pakistan | $\begin{aligned} & 139000 \\ & (127000 \text { to } 150000) \end{aligned}$ | $\begin{gathered} 58400 \\ \text { (53700 to } 63100 \text { ) } \end{gathered}$ | $\begin{aligned} & 75100 \\ & (69900 \text { to } 81200) \end{aligned}$ | $\begin{aligned} & 5140 \\ & (4730 \text { to } 5560) \end{aligned}$ | $\begin{aligned} & 236000 \\ & \text { (215000 to 257000) } \end{aligned}$ | $\begin{aligned} & 85400 \\ & (78100 \text { to } 093100) \end{aligned}$ | $\begin{aligned} & 142000 \\ & (129000 \text { to } 154000) \end{aligned}$ | $\begin{gathered} 8550 \\ (7820 \text { to 9320) } \end{gathered}$ | $\begin{aligned} & 2.5 \% \\ & (2.5 \text { to } 2.6) \end{aligned}$ |
| Southeast Asia, <br> east Asia, and <br> Oceania | $\begin{aligned} & 1860000 \\ & (1760000 \text { to } \\ & 1950000) \end{aligned}$ | $\begin{aligned} & 483000 \\ & (460000 \text { to } \\ & 505000) \end{aligned}$ | $\begin{aligned} & 1250000 \\ & (1190000 \text { to } \\ & 1320000) \end{aligned}$ | 119000 (112000 to 125000) | 2190000 $(2070000$ to $2290000)$ | 445000 (424000 t 465000) | 1490000 (1410000 to 1560000) | 254000 (240000 to 269000) | $\begin{aligned} & 0.8 \% \\ & (0.7 \text { to } 0.8) \end{aligned}$ |
| East Asia | $\begin{aligned} & 1300000 \\ & (1220000 \text { to } \\ & 1390000) \end{aligned}$ | $\begin{aligned} & 305000 \\ & (285000 \text { to } \\ & 326000) \end{aligned}$ | $\begin{aligned} & 907000 \\ & (847000 \text { to } 968000) \end{aligned}$ | 92500 (86300 to 98700) | 1470000 (1370000 to 1580000) | $\begin{aligned} & 267000 \\ & (248000 \text { to } \\ & 287000) \end{aligned}$ | 1000000 (933000 to 1080000 ) | 203000 (188000) 217000) | $\begin{aligned} & 0.6 \% \\ & (0.6 \text { to } 0.6) \end{aligned}$ |
| China | $\begin{aligned} & 1260000 \\ & (1170000 \text { to } \\ & 1350000) \end{aligned}$ | $\begin{gathered} 294000 \\ (274000 \text { to } \\ 314000) \end{gathered}$ | 876000 $(816000$ to 937000$)$ | 89000 $(82900$ to 95200$)$ | $\begin{aligned} & 1420000 \\ & (1320000 \text { to } \\ & 1530000) \end{aligned}$ | 260000 (241000 to 279000) | $\begin{aligned} & 967000 \\ & (896000 \text { to } \\ & 1040000) \end{aligned}$ | 196000 (182000 to 211000) | $\begin{aligned} & 0.6 \% \\ & (0.6 \text { to } 0.6) \end{aligned}$ |
| North Korea | $\begin{aligned} & 23400 \\ & (20900 \text { to } 260000) \end{aligned}$ | $\begin{gathered} 6550 \\ (5830 \text { to } 7260) \end{gathered}$ | $\begin{gathered} 15300 \\ (13600 \text { to } 17000) \end{gathered}$ | $\begin{aligned} & 1540 \\ & (1380 \text { to 1710) } \end{aligned}$ | $\begin{aligned} & 26400 \\ & (22400 \text { to } 30300) \end{aligned}$ | $\begin{gathered} 4770 \\ (4040 \text { to } 5480) \end{gathered}$ | $\begin{aligned} & 18900 \\ & (16000 \text { to 21700) } \end{aligned}$ | $\begin{aligned} & 2670 \\ & \text { (2260 to 3060) } \end{aligned}$ | $\begin{aligned} & 0.6 \% \\ & (0.3+0.77) \end{aligned}$ |
| China) <br> Taiwan (province of China) | $\begin{aligned} & 22300 \\ & (22100 \text { to } 22400) \end{aligned}$ | $\begin{gathered} 4700 \\ (4670 \text { to } 4730) \end{gathered}$ | $\begin{aligned} & 15600 \\ & (15500 \text { to 15700) } \end{aligned}$ | $\begin{gathered} 1930 \\ (1920 \text { to 1940) } \end{gathered}$ | $\begin{aligned} & 23600 \\ & (21400 \text { to } 25900) \end{aligned}$ | $\begin{gathered} 2950 \\ (2670 \text { to } 3230) \end{gathered}$ | $\begin{gathered} 16700 \\ \text { (15100 to 18300) } \end{gathered}$ | $\begin{gathered} 4010 \\ (3640 \text { to } 4390) \end{gathered}$ | $\begin{gathered} 0.3 \% \\ (-0.1+0.7) \end{gathered}$ |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | $<15$ years | 15-64 years | $\geq 65$ years | All ages | <15 years | 15-64 years | 265 years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Oceania | $\begin{gathered} 8350 \\ \text { (7950 to 8720) } \end{gathered}$ | $\begin{gathered} 3300 \\ \text { (3140 to 3450) } \end{gathered}$ | $\begin{gathered} 4780 \\ (4560 \text { to } 5000) \end{gathered}$ | $\begin{gathered} 256 \\ \text { (244 to 266) } \end{gathered}$ | $\begin{gathered} 13900 \\ \text { (12500 to 15300) } \end{gathered}$ | $\begin{gathered} 5080 \\ (4540 \text { to } 5590) \end{gathered}$ | $\begin{gathered} 8360 \\ (7520 \text { to } 9170) \end{gathered}$ | $\begin{gathered} 489 \\ (446 \text { to } 530) \end{gathered}$ | $\begin{aligned} & 2.4 \% \\ & (2.2 \text { to } 2.7) \end{aligned}$ |
| American Samoa | $\begin{gathered} 58.5 \\ \text { (54.6 to } 62.6 \text { ) } \end{gathered}$ | $\begin{gathered} 22 \cdot 1 \\ \text { (20.6 to 23.6) } \end{gathered}$ | $\begin{gathered} 34.2 \\ \text { (31.9 to } 36.6 \text { ) } \end{gathered}$ | $\begin{gathered} 2.2 \\ (2.1 \text { to } 2 \cdot 4) \end{gathered}$ | $\begin{gathered} 49 \cdot 8 \\ (45 \cdot 8 \text { to } 53 \cdot 2) \end{gathered}$ | $\begin{gathered} 14 \cdot 2 \\ (13 \cdot 1 \text { to } 15 \cdot 2) \end{gathered}$ | $\begin{gathered} 31 \cdot 9 \\ (29 \cdot 4 \text { to } 34 \cdot 1) \end{gathered}$ | $\begin{gathered} 3.7 \\ \text { (3.4 to } 3 \cdot 9 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.8 \% \\ & (-0.8 \text { to }-0.7) \end{aligned}$ |
| Cook Islands | $\begin{gathered} 18.6 \\ (17 \cdot 1 \text { to } 20) \end{gathered}$ | $\begin{gathered} 5 \cdot 5 \\ (5 \cdot 1 \text { to } 5 \cdot 9) \end{gathered}$ | $\begin{gathered} 11.8 \\ \text { (10.9 to 12.7) } \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2 \text { to } 1.4) \end{gathered}$ | $\begin{gathered} 17 \cdot 7 \\ (16 \text { to } 19 \cdot 4) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.4 \text { to } 4 \cdot 1) \end{gathered}$ | $\begin{gathered} 11.6 \\ (10.5 \text { to } 12.7) \end{gathered}$ | $\begin{gathered} 2.3 \\ (2.1 \text { to } 2 \cdot 5) \end{gathered}$ | $\begin{aligned} & -0.2 \% \\ & (-0.3 \text { to-0.1) } \end{aligned}$ |
| Federated States of Micronesia | $\begin{gathered} 110 \\ \text { (102 to 117) } \end{gathered}$ | $\begin{gathered} 44 \cdot 4 \\ (41 \cdot 3 \text { to } 47 \cdot 3) \end{gathered}$ | $\begin{gathered} 61 \cdot 3 \\ (57 \cdot 1 \text { to } 65 \cdot 4) \end{gathered}$ | $\begin{gathered} 3.8 \\ (3.5 \text { to } 4) \end{gathered}$ | $\begin{gathered} 103 \\ (89 \cdot 5 \text { to } 116) \end{gathered}$ | $\begin{gathered} 30.6 \\ (26.7 \text { to } 34 \cdot 7) \end{gathered}$ | $\begin{gathered} 67.2 \\ \text { (58.6 to } 76 \cdot 2 \text { ) } \end{gathered}$ | $\begin{gathered} 4 \cdot 8 \\ (4.2 \text { to } 5 \cdot 5) \end{gathered}$ | $\begin{aligned} & -0.3 \% \\ & (-0.6 \text { to } 0.0) \end{aligned}$ |
| Fiji | $\begin{gathered} 816 \\ \text { (739 to 892) } \end{gathered}$ | $\begin{gathered} 266 \\ \text { (241 to 290) } \end{gathered}$ | $\begin{gathered} 522 \\ \text { (473 to } 571 \text { ) } \end{gathered}$ | $\begin{gathered} 28.2 \\ (25.5 \text { to } 30.8) \end{gathered}$ | $\begin{gathered} 924 \\ (839 \text { to } 1020) \end{gathered}$ | $\begin{gathered} 272 \\ \text { (247 to } 300 \text { ) } \end{gathered}$ | $\begin{gathered} 596 \\ \text { (540 to } 654) \end{gathered}$ | $\begin{gathered} 56.4 \\ \text { (51.2 to } 62 \text { ) } \end{gathered}$ | $\begin{aligned} & 0.6 \% \\ & (0.6 \text { to } 0.6) \end{aligned}$ |
| Guam | $\begin{gathered} 159 \\ (149 \text { to } 170) \end{gathered}$ | $\begin{gathered} 49 \cdot 5 \\ (46 \cdot 2 \text { to } 52 \cdot 7) \end{gathered}$ | $\begin{gathered} 101 \\ (94 \cdot 7 \text { to 108) } \end{gathered}$ | $\begin{gathered} 8 \cdot 5 \\ \text { (8 to } 9 \cdot 1 \text { ) } \end{gathered}$ | $\begin{gathered} 159 \\ \text { (146 to 171) } \end{gathered}$ | $\begin{gathered} 36 \cdot 6 \\ (33 \cdot 7 \text { to } 39 \cdot 3) \end{gathered}$ | $\begin{gathered} 104 \\ (95 \cdot 3 \text { to } 111) \end{gathered}$ | $\begin{gathered} 19 \cdot 1 \\ (17.6 \text { to } 20.6) \end{gathered}$ | $\begin{aligned} & 0.0 \% \\ & (-0.1 \text { to } 0.0) \end{aligned}$ |
| Kiribati | $\begin{gathered} 87 \cdot 3 \\ \text { (81 to } 93 \cdot 8 \text { ) } \end{gathered}$ | $\begin{gathered} 34 \cdot 9 \\ (32 \cdot 4 \text { to } 37 \cdot 5) \end{gathered}$ | $\begin{gathered} 49 \cdot 5 \\ \text { (45.9 to } 53 \cdot 1 \text { ) } \end{gathered}$ | $\begin{gathered} 2.9 \\ (2.7 \text { to } 3.1) \end{gathered}$ | $\begin{gathered} 121 \\ (108 \text { to } 134) \end{gathered}$ | $\begin{gathered} 42 \\ \text { (37.6 to } 46.6 \text { ) } \end{gathered}$ | $\begin{gathered} 74.5 \\ \text { ( } 66.6 \text { to } 82 \cdot 7 \text { ) } \end{gathered}$ | $\begin{gathered} 4 \cdot 6 \\ (4 \cdot 1 \text { to } 5 \cdot 1) \end{gathered}$ | $\begin{aligned} & 1.6 \% \\ & (1.4 \text { to 1.7) } \end{aligned}$ |
| Marshall Islands | $\begin{gathered} 52.5 \\ (48.5 \text { to } 56.6) \end{gathered}$ | $\begin{gathered} 21 \cdot 9 \\ \text { (20.2 to } 23 \cdot 5 \text { ) } \end{gathered}$ | $\begin{gathered} 29 \cdot 5 \\ (27 \cdot 3 \text { to } 31 \cdot 8) \end{gathered}$ | $\begin{array}{r} 1 \cdot 1 \\ (1 \text { to } 1 \cdot 2) \end{array}$ | $\begin{gathered} 56 \cdot 3 \\ (49 \cdot 2 \text { to } 63 \cdot 6) \end{gathered}$ | $\begin{gathered} 17 \cdot 5 \\ \text { (15.3 to 19.7) } \end{gathered}$ | $\begin{gathered} 36 \cdot 5 \\ \text { (31.9 to } 41 \cdot 3 \text { ) } \end{gathered}$ | $\begin{array}{r} 2.3 \\ \text { (2 to } 2.6 \text { ) } \end{array}$ | $\begin{aligned} & 0.3 \% \\ & (0.1 \text { to } 0.6) \end{aligned}$ |
| Nauru | $\begin{gathered} 10.8 \\ \text { (9.9 to } 11.6) \end{gathered}$ | $\begin{array}{r} 4.2 \\ (3.8 \text { to } 4.5) \end{array}$ | $\begin{gathered} 6 \cdot 3 \\ (5 \cdot 8 \text { to } 6 \cdot 8) \end{gathered}$ | $\begin{gathered} 0.3 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 11 \\ \text { (9.6 to 12.4) } \end{gathered}$ | $\begin{gathered} 4 \\ (3 \cdot 5 \text { to } 4 \cdot 5) \end{gathered}$ | $\begin{gathered} 6 \cdot 6 \\ (5.8 \text { to } 7 \cdot 5) \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.5) \end{gathered}$ | $\begin{aligned} & 0.1 \% \\ & (-0.1 \text { to } 0.3) \end{aligned}$ |
| Nive | $\begin{gathered} 1.9 \\ (1.8 \text { to } 2.1 \text { ) } \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.5 \text { to } 0.6) \end{gathered}$ | $\begin{array}{r} 1 \cdot 2 \\ (1 \cdot 1 \text { to } 1 \cdot 3) \end{array}$ | $\begin{gathered} 0.2 \\ (0.2 \text { to } 0.2) \end{gathered}$ | $\begin{gathered} 1.7 \\ \text { (1.5 to } 1.9 \text { ) } \end{gathered}$ | $\begin{gathered} 0.4 \\ (0.3 \text { to } 0.4) \end{gathered}$ | $\begin{array}{r} 1 \cdot 1 \\ (1 \text { too } 1 \cdot 2) \end{array}$ | $\begin{gathered} 0.2 \\ (0.2 \text { to } 0.2) \end{gathered}$ | $\begin{aligned} & -0.7 \% \\ & (-0.9 \text { to -0.4) } \end{aligned}$ |
| Northern Mariana Islands | $\begin{gathered} 72.7 \\ \text { ( } 67.7 \text { to } 77.5 \text { ) } \end{gathered}$ | $\begin{gathered} 17.9 \\ (16.7 \mathrm{to} \mathrm{19.1)} \end{gathered}$ | $\begin{gathered} 53 \cdot 5 \\ \text { (49.9 to } 57 \cdot 1 \text { ) } \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2 \text { to } 1.3) \end{gathered}$ | $\begin{gathered} 48 \cdot 5 \\ (45 \cdot 1 \text { to } 52 \cdot 1) \end{gathered}$ | $\begin{gathered} 11 \cdot 3 \\ (10.5 \text { to } 12 \cdot 1) \end{gathered}$ | $\begin{gathered} 33 \cdot 6 \\ (31 \cdot 3 \text { to } 36 \cdot 2) \end{gathered}$ | $\begin{gathered} 3.6 \\ (3.3 \text { to } 3 \cdot 9) \end{gathered}$ | $\begin{aligned} & -1 \cdot 9 \% \\ & (-2.0 \text { to }-1 \cdot 9) \end{aligned}$ |
| Palau | $\begin{gathered} 19.7 \\ \text { (18.4 to 21.1) } \end{gathered}$ | $\begin{gathered} 4 \cdot 9 \\ (4 \cdot 6 \text { to } 5 \cdot 2) \end{gathered}$ | $\begin{gathered} 13 \cdot 9 \\ \text { (13 to } 14 \cdot 9 \text { ) } \end{gathered}$ | $\begin{gathered} 1 \\ \text { (0.9 to 1) } \end{gathered}$ | $\begin{gathered} 18 \cdot 1 \\ (16 \cdot 2 \text { to } 20 \cdot 1) \end{gathered}$ | $\begin{gathered} 3.3 \\ (2.9 \text { to } 3 \cdot 6) \end{gathered}$ | $\begin{gathered} 13.2 \\ (11.8 \text { to } 14.6) \end{gathered}$ | $\begin{gathered} 1.7 \\ \text { (1.5 to } 1.8 \text { ) } \end{gathered}$ | $\begin{aligned} & -0.4 \% \\ & (-0.6 \text { to }-0.2) \end{aligned}$ |
| Papua <br> New Guinea | $\begin{gathered} 5520 \\ (5140 \text { to } 5880) \end{gathered}$ | $\begin{gathered} 2250 \\ (2100 \text { to } 2400) \end{gathered}$ | $\begin{gathered} 3110 \\ (2900 \text { to } 3310) \end{gathered}$ | $\begin{gathered} 156 \\ (145 \text { to } 166) \end{gathered}$ | $\begin{aligned} & 10500 \\ & \text { (9100 to 11800) } \end{aligned}$ | $\begin{gathered} 3920 \\ (3410 \text { to } 4410) \end{gathered}$ | $\begin{gathered} 6230 \\ (5420 \text { to } 7020) \end{gathered}$ | $\begin{gathered} 314 \\ (273 \text { to } 354) \end{gathered}$ | $\begin{aligned} & 3.0 \% \\ & (2.7 \text { to } 3 \cdot 3) \end{aligned}$ |
| Samoa | $\begin{gathered} 180 \\ (166 \text { to } 193) \end{gathered}$ | $\begin{gathered} 72 \cdot 6 \\ \text { (67 to } 77 \cdot 6 \text { ) } \end{gathered}$ | $\begin{gathered} 99 \cdot 3 \\ \text { (91.6 to 106) } \end{gathered}$ | $\begin{gathered} 8.3 \\ (7.6 \text { to } 8.8) \end{gathered}$ | $\begin{gathered} 214 \\ \text { (193 to 236) } \end{gathered}$ | $\begin{gathered} 79 \cdot 9 \\ (72 \cdot 2 \text { to } 88 \cdot 1) \end{gathered}$ | $\begin{gathered} 123 \\ \text { (111 to 135) } \end{gathered}$ | $\begin{gathered} 11 \\ \text { (10to 12•2) } \end{gathered}$ | $\begin{aligned} & 0.8 \% \\ & (0.7 \text { to } 1.0) \end{aligned}$ |
| Solomon Islands | $\begin{gathered} 445 \\ (412 \text { to } 480) \end{gathered}$ | $\begin{gathered} 190 \\ \text { (176 to 205) } \end{gathered}$ | $\begin{gathered} 242 \\ \text { (224 to } 261 \text { ) } \end{gathered}$ | $\begin{gathered} 13 \cdot 6 \\ (12 \cdot 6 \text { to } 14 \cdot 7) \end{gathered}$ | $\begin{gathered} 684 \\ \text { (579 to } 780 \text { ) } \end{gathered}$ | $\begin{gathered} 260 \\ (220 \text { to } 297) \end{gathered}$ | $\begin{gathered} 401 \\ \text { (339 to 457) } \end{gathered}$ | $\begin{gathered} 22 \cdot 6 \\ \text { (19.1 to } 25 \cdot 7) \end{gathered}$ | $\begin{aligned} & 2.0 \% \\ & (1.6 \text { to } 2 \cdot 3) \end{aligned}$ |
| Tokelau | $\begin{gathered} 1.5 \\ (1.4 \text { to } 1.7) \end{gathered}$ | $\begin{gathered} 0.5 \\ (0.5 \text { to } 0.6) \end{gathered}$ | $\begin{gathered} 0.9 \\ (0.8 \text { to } 0.9) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.1) \end{gathered}$ | $\begin{array}{r} 1.4 \\ \text { (1.2 to } 1.5 \text { ) } \end{array}$ | $\begin{gathered} 0.4 \\ (0.4 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 0.8 \\ (0.8 \text { to } 0.9) \end{gathered}$ | $\begin{gathered} 0.1 \\ (0.1 \text { to } 0.2) \end{gathered}$ | $\begin{aligned} & -0.6 \% \\ & (-0.7 \text { to }-0.5) \end{aligned}$ |
| Tonga | $\begin{gathered} 103 \\ (93 \text { to 113) } \end{gathered}$ | $\begin{gathered} 40 \cdot 5 \\ (36 \cdot 6 \text { to } 44 \cdot 3) \end{gathered}$ | $\begin{gathered} 56.8 \\ \text { (51.4 to } 62.2 \text { ) } \end{gathered}$ | $\begin{gathered} 5 \cdot 5 \\ \text { (5to } 6 \cdot 1 \text { ) } \end{gathered}$ | $\begin{gathered} 106 \\ \text { (96 to 117) } \end{gathered}$ | $\begin{gathered} 39 \\ \text { (35•2 to 42•8) } \end{gathered}$ | $\begin{gathered} 60.6 \\ (54.7 \text { to } 66.5) \end{gathered}$ | $\begin{gathered} 6.7 \\ (6 \text { to } 7.3) \end{gathered}$ | $\begin{aligned} & 0.2 \% \\ & (0.1 \text { to } 0.2) \end{aligned}$ |
| Tuvalu | $\begin{gathered} 9.7 \\ \text { (8.9 to } 10 \cdot 5 \text { ) } \end{gathered}$ | $\begin{array}{r} 3.4 \\ (3.1 \text { to } 3.7) \end{array}$ | $\begin{gathered} 5 \cdot 7 \\ (5 \cdot 2 \text { to } 6 \cdot 2) \end{gathered}$ | $\begin{gathered} 0.6 \\ (0.6 \text { to } 0.7) \end{gathered}$ | $\begin{gathered} 12 \cdot 4 \\ \text { (10.8 to } 14) \end{gathered}$ | $\begin{gathered} 3 \cdot 7 \\ (3 \cdot 3 \text { to } 4 \cdot 2) \end{gathered}$ | $\begin{gathered} 7.8 \\ \text { ( } 6.8 \text { to } 8.8 \text { ) } \end{gathered}$ | $\begin{gathered} 0.9 \\ \text { (0.8 to } 1 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & \text { (0.9 to 1.3) } \end{aligned}$ |
| Vanuatu | $\begin{gathered} 194 \\ (180 \text { to 208) } \end{gathered}$ | $\begin{gathered} 82 \cdot 3 \\ (76 \cdot 3 \text { to } 88 \cdot 1) \end{gathered}$ | $\begin{gathered} 106 \\ \text { (98.6 to 114) } \end{gathered}$ | $\begin{gathered} 5 \cdot 8 \\ (5 \cdot 4 \text { to } 6 \cdot 2) \end{gathered}$ | $\begin{gathered} 313 \\ \text { (291 to 336) } \end{gathered}$ | $\begin{gathered} 116 \\ \text { (108 to } 125 \text { ) } \end{gathered}$ | $\begin{gathered} 184 \\ \text { (171 to 198) } \end{gathered}$ | $\begin{gathered} 12 \cdot 2 \\ (11 \cdot 4 \text { to } 13 \cdot 1) \end{gathered}$ | $\begin{aligned} & 2 \cdot 3 \% \\ & (2 \cdot 3 \text { to } 2 \cdot 3) \end{aligned}$ |
| Southeast Asia | $\begin{aligned} & 543000 \\ & (513000 \text { to } 573000) \end{aligned}$ | $\begin{aligned} & 174000 \\ & (165000 \text { to } \\ & 184000) \end{aligned}$ | $\begin{aligned} & 343000 \\ & (323000 \text { to } 362000) \end{aligned}$ | $\begin{aligned} & 26100 \\ & (24700 \text { to } 27500) \end{aligned}$ | $\begin{aligned} & 698000 \\ & (670000 \text { to } 728000) \end{aligned}$ | $\begin{aligned} & 173000 \\ & (166000 \text { to } \\ & 180000) \end{aligned}$ | $\begin{aligned} & 474000 \\ & (456000 \text { to } 495000) \end{aligned}$ | $\begin{aligned} & 51200 \\ & (49000 \text { to } 53300) \end{aligned}$ | $\begin{aligned} & 1.2 \% \\ & (1.1 \text { to } 1.3) \end{aligned}$ |
| Cambodia | $\begin{gathered} 12500 \\ (11500 \text { to } 13600) \end{gathered}$ | $\begin{gathered} 5200 \\ (4780 \text { to } 5640) \end{gathered}$ | $\begin{gathered} 6910 \\ \text { (6350 to 7500) } \end{gathered}$ | $\begin{gathered} 430 \\ \text { (396 to 467) } \end{gathered}$ | $\begin{aligned} & 17000 \\ & (14500 \text { to 19600) } \end{aligned}$ | $\begin{gathered} 5120 \\ (4360 \text { to } 5890) \end{gathered}$ | $\begin{gathered} 11000 \\ \text { (9380 to 12700) } \end{gathered}$ | $\begin{gathered} 931 \\ \text { (794 to 1070) } \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (1.1 \text { to } 1.8) \end{aligned}$ |
| Indonesia | $\begin{aligned} & 212000 \\ & (183000 \text { to } 240000) \end{aligned}$ | $\begin{gathered} 66600 \\ \text { (57600 to 75700) } \end{gathered}$ | $\begin{aligned} & 135000 \\ & (117000 \text { to } 154000) \end{aligned}$ | $\begin{aligned} & 9580 \\ & (8280 \text { to } 10 \text { 900) } \end{aligned}$ | $\begin{aligned} & 279000 \\ & (257000 \text { to } 300000) \end{aligned}$ | $\begin{gathered} 67300 \\ (62000 \text { to } 72400) \end{gathered}$ | $\begin{aligned} & 194000 \\ & (179000 \text { to } 209000) \end{aligned}$ | $\begin{aligned} & 17500 \\ & (16100 \text { to } 18800) \end{aligned}$ | $\begin{aligned} & 1.3 \% \\ & \text { (1.1 to 1.6) } \end{aligned}$ |
| (Table 5 continues on next page) |  |  |  |  |  |  |  |  |  |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualisedrate of changein population,$2000-21$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Allages | <15year | 15-64 years | 266 years | All ages | $<15$ years | 15-64 years | 265 years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Laos | $\begin{gathered} 5390 \\ (4850 \text { to } 5930) \end{gathered}$ | $\begin{gathered} 2310 \\ (280 \text { to } 2540) \end{gathered}$ | $\begin{gathered} 2890 \\ (2600 \text { to } 3180) \end{gathered}$ | $\begin{gathered} 193 \\ (174 \text { to } 212) \end{gathered}$ | $\begin{gathered} 7380 \\ (6610 \text { to } 8100) \end{gathered}$ | $\begin{gathered} 2300 \\ (2060 \text { to } 2520) \end{gathered}$ | $\begin{gathered} 4750 \\ (4260 \text { to } 5220) \end{gathered}$ | $\begin{gathered} 327 \\ (293 \text { to 359) } \end{gathered}$ | $\begin{aligned} & 1.5 \% \\ & (1.5 \text { to1 } 1.5) \end{aligned}$ |
| Malaysia | $\begin{gathered} 23800 \\ \text { (22200 to 25500) } \end{gathered}$ | $\begin{gathered} 7990 \\ (7460 \text { to } 8540) \end{gathered}$ | $\begin{gathered} 14900 \\ (13900 \text { to 15900) } \end{gathered}$ | $\begin{gathered} 911 \\ (851 \text { to } 974) \end{gathered}$ | $\begin{aligned} & 31800 \\ & (27200 \text { to } 36000) \end{aligned}$ | $\begin{gathered} 7610 \\ (6510 \text { to } 8610) \end{gathered}$ | $\begin{aligned} & 21900 \\ & (18700 \text { to } 24700) \end{aligned}$ | $\begin{gathered} 2340 \\ (2000 \text { to } 2650) \end{gathered}$ | $\begin{aligned} & 1.4 \% \\ & (1.0 \text { to } 1.6) \end{aligned}$ |
| Maldives | $\begin{gathered} 280 \\ \text { (260 to 299) } \end{gathered}$ | $\begin{gathered} 113 \\ (105 \text { to } 121) \end{gathered}$ | $\begin{gathered} 156 \\ (146 \text { to } 167) \end{gathered}$ | $\begin{gathered} 10.3 \\ (9.6 \text { to 11) } \end{gathered}$ | $\begin{gathered} 517 \\ \text { (456 to } 571 \text { ) } \end{gathered}$ | $\begin{gathered} 100 \\ (88 \cdot 3 \text { to 110) } \end{gathered}$ | $\begin{gathered} 395 \\ \text { (348 to 436) } \end{gathered}$ | $\begin{gathered} 22 \cdot 1 \\ (19 \cdot 5 \text { to } 24 \cdot 4) \end{gathered}$ | $\begin{aligned} & 2.9 \% \\ & (2.7 \text { to } 3.1) \end{aligned}$ |
| Mauritius | $\begin{gathered} 1210 \\ (1130 \text { to } 1300) \end{gathered}$ | $\begin{gathered} 312 \\ \text { (290 to 334) } \end{gathered}$ | $\begin{gathered} 827 \\ \text { (769 to 887) } \end{gathered}$ | $\begin{gathered} 75 \cdot 7 \\ \text { (70.4 to 81.1) } \end{gathered}$ | $\begin{gathered} 1270 \\ (1100 \text { to } 1440) \end{gathered}$ | $\begin{gathered} 207 \\ (180 \text { to } 235) \end{gathered}$ | $\begin{aligned} & 900 \\ & \text { (779 to 1020) } \end{aligned}$ | $\begin{gathered} 164 \\ (142 \text { to } 186) \end{gathered}$ | $\begin{gathered} 0.2 \% \\ (-0.1+0.5) \end{gathered}$ |
| Myanmar | $\begin{aligned} & 45300 \\ & (38300 \text { to } 52300) \end{aligned}$ | $\begin{gathered} 14300 \\ (12100 \text { to } 16500) \end{gathered}$ | $\begin{aligned} & 28700 \\ & (24300 \text { to } 33100) \end{aligned}$ | $\begin{gathered} 2300 \\ (1950 \text { to } 2650) \end{gathered}$ | $\begin{aligned} & 56400 \\ & (50200 \text { to } 62800) \end{aligned}$ | $\begin{gathered} 15600 \\ (13900 \text { to } 17400) \end{gathered}$ | $\begin{aligned} & 37000 \\ & (32900 \text { to } 41200) \end{aligned}$ | $\begin{gathered} 3810 \\ (3390 \text { to } 4240) \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (0.9 \text { to } 1.3) \end{aligned}$ |
| Philippines | $\begin{aligned} & 79500 \\ & (73900 \text { to } 85100) \end{aligned}$ | $\begin{gathered} 30000 \\ (27900 \text { to } 321000) \end{gathered}$ | $\begin{gathered} 46500 \\ (43300 \text { to } 49800) \end{gathered}$ | $\begin{gathered} 2940 \\ (2740 \text { to } 3150) \end{gathered}$ | $\begin{aligned} & 113000 \\ & (100000 \text { to } 125000) \end{aligned}$ | $\begin{aligned} & 34000 \\ & (30100 \text { to } 37600) \end{aligned}$ | $\begin{aligned} & 73100 \\ & (64700 \text { to } 80800) \end{aligned}$ | $\begin{gathered} 6170 \\ (5470 \text { to } 6830) \end{gathered}$ | $\begin{aligned} & 1.7 \% \\ & (1.5 \text { to } 1.8) \end{aligned}$ |
| Seychelles | $\begin{gathered} 81.6 \\ (74.6 \text { to } 88) \end{gathered}$ | $\begin{gathered} 22 \cdot 3 \\ (20 \cdot 4 \text { to } 24 \cdot 1) \end{gathered}$ | $\begin{gathered} 53 \cdot 2 \\ (48 \cdot 6 \text { to } 57 \cdot 4) \end{gathered}$ | $\begin{gathered} 6 \\ (5.5006) \end{gathered}$ | $\begin{gathered} 105 \\ \text { (91.4 to 121) } \end{gathered}$ | $\begin{gathered} 23 \cdot 4 \\ (20 \cdot 3 \text { to } 26.8) \end{gathered}$ | $\begin{gathered} 73 \\ \text { (633.2 to 83.5) } \end{gathered}$ | $\begin{gathered} 9.1 \\ (7.9 \text { to 10.4) } \end{gathered}$ | $\begin{aligned} & 1.2 \% \\ & (0.9 \text { to } 1.5) \end{aligned}$ |
| Sri Lanka | $\begin{gathered} 18700 \\ \text { (16200 to 21 200) } \end{gathered}$ | $\begin{gathered} 5090 \\ (4390 \text { to } 5770) \end{gathered}$ | $\begin{aligned} & 12500 \\ & (10800 \text { to 14200) } \end{aligned}$ | $\begin{gathered} 1100 \\ (954 \text { to } 1250) \end{gathered}$ | $\begin{aligned} & 22300 \\ & (19400 \text { to } 25000) \end{aligned}$ | $\begin{gathered} 5100 \\ (4460 \text { to } 5740) \end{gathered}$ | $\begin{gathered} 14700 \\ (12800 \text { to } 16500) \end{gathered}$ | $\begin{aligned} & 2450 \\ & (2140 \text { to } 2760) \end{aligned}$ | $\begin{aligned} & 0.8 \% \\ & (0.8 \text { to } 0.9) \end{aligned}$ |
| Thailand | $\begin{gathered} 62500 \\ \text { (58500to to } 6800 \text { ) } \end{gathered}$ | $\begin{aligned} & 15200 \\ & (14200 \text { to } 162000) \end{aligned}$ | $\begin{aligned} & 43400 \\ & (40600 \text { to } 46400) \end{aligned}$ | $\begin{gathered} 3920 \\ (3670 \text { to 4190) } \end{gathered}$ | $\begin{aligned} & 66700 \\ & (57500 \text { to } 75900) \end{aligned}$ | $\begin{gathered} 9770 \\ (8430 \text { to } 11100) \end{gathered}$ | $\begin{aligned} & 47300 \\ & (40800 \text { to } 53800) \end{aligned}$ | $\begin{gathered} 9640 \\ (8320 \text { to 11000 }) \end{gathered}$ | $\begin{aligned} & 0.3 \% \\ & (-0.1+00.6) \end{aligned}$ |
| Timor-Leste | $\begin{gathered} 904 \\ (821 \text { to } 984) \end{gathered}$ | $\begin{gathered} 389 \\ \text { (353 to 423) } \end{gathered}$ | $\begin{gathered} 487 \\ (442 \text { to } 530) \end{gathered}$ | $\begin{gathered} 28 \cdot 2 \\ (25 \cdot 6 \text { to } 30 \cdot 6) \end{gathered}$ | $\begin{gathered} 1400 \\ (1250 \text { to 1540) } \end{gathered}$ | $\begin{gathered} 521 \\ (465 \text { to 575) } \end{gathered}$ | $\begin{gathered} 803 \\ (717 \mathrm{t} 0877 \end{gathered}$ | $\begin{gathered} 74 \cdot 4 \\ \text { (66.4 to } 82 \cdot 1) \end{gathered}$ | $\begin{aligned} & 2.1 \% \\ & (2.0 \text { to } 2 \cdot 2) \end{aligned}$ |
| Viet Nam | $\begin{aligned} & 80200 \\ & (77500 \text { to } 86400) \end{aligned}$ | $\begin{aligned} & 26300 \\ & (24400 \text { to } 28300) \end{aligned}$ | $\begin{aligned} & 49400 \\ & (45900 \text { to } 53200) \end{aligned}$ | $\begin{gathered} 4570 \\ (4240 \text { to } 0920) \end{gathered}$ | $\begin{aligned} & 100000 \\ & (92300 \text { to } 108000) \end{aligned}$ | $\begin{aligned} & 24800 \\ & (22800 \text { to } 26600) \end{aligned}$ | $\begin{aligned} & 67800 \\ & (62400 \text { to } 73000) \end{aligned}$ | $\begin{aligned} & 7670 \\ & (7060 \text { to } 8250) \end{aligned}$ | $\begin{aligned} & 1.1 \% \\ & (1.0 \text { to } 1.1) \end{aligned}$ |
| Sub-Saharan Africa | $\begin{aligned} & 647000 \\ & (629000 \text { to } \\ & 666000) \end{aligned}$ | $\begin{aligned} & 289000 \\ & (281000 \text { to } \\ & 297000) \end{aligned}$ | $\begin{aligned} & 338000 \\ & (329000 \text { to } \\ & 348000) \end{aligned}$ | 19600 (19 000 to 20 100) | 1130000 $(1090000$ to $1180000)$ | 476000 (457000 to $496000)$ | $\begin{aligned} & 624000 \\ & (599000 \text { to } \\ & 650000) \end{aligned}$ | $\begin{aligned} & 33500 \\ & (32200 \text { to } 34800) \end{aligned}$ | $\begin{aligned} & 2.7 \% \\ & (2.6 \text { to } 2.7) \end{aligned}$ |
| Central <br> sub-Saharan Africa | $\begin{gathered} 73600 \\ \text { (65300 to } 81300) \end{gathered}$ | $\begin{gathered} 33600 \\ \text { (29800 to } 37200 \text { ) } \end{gathered}$ | $\begin{aligned} & 37900 \\ & \text { (33700 to } 41800) \end{aligned}$ | $\begin{gathered} 2020 \\ (1780 \text { to } 2250) \end{gathered}$ | $\begin{aligned} & 137000 \\ & (110000 \text { to } 166000) \end{aligned}$ | $\begin{gathered} 58700 \\ (47400 \text { to } 70600) \end{gathered}$ | $\begin{gathered} 74800 \\ (60100 \text { to 90500) } \end{gathered}$ | $\begin{gathered} 3490 \\ (2800 \text { to } 0230) \end{gathered}$ | $\begin{aligned} & 2.9 \% \\ & (2.5 \text { to } 3.4) \end{aligned}$ |
| Angola | $\begin{gathered} 14700 \\ (12600 \text { to } 16900) \end{gathered}$ | $\begin{gathered} 6840 \\ (5860 \text { to } 7850) \end{gathered}$ | $\begin{gathered} 7560 \\ (6480 \text { to } 8680) \end{gathered}$ | $\begin{gathered} 323 \\ (277 \text { to } 371) \end{gathered}$ | $\begin{gathered} 32700 \\ (29100 \text { to } 36400) \end{gathered}$ | $\begin{gathered} 15200 \\ (13500 \text { to } 17000) \end{gathered}$ | $\begin{gathered} 16700 \\ (14900 \text { to } 18600) \end{gathered}$ | $\begin{gathered} 741 \\ (658 \text { to } 826) \end{gathered}$ | $\begin{gathered} 3.8 \% \\ (3.7 \text { to } 4.0) \end{gathered}$ |
| Central African Republic | $\begin{gathered} 3620 \\ \text { (3320 to 3940) } \end{gathered}$ | $\begin{gathered} 1620 \\ (1490 \text { to } 1760) \end{gathered}$ | $\begin{gathered} 1920 \\ (1760 \text { to } 2080) \end{gathered}$ | $\begin{gathered} 8.4 \\ (78.5 \text { to } 93) \end{gathered}$ | $\begin{gathered} 5480 \\ (4510 \text { to } 6410) \end{gathered}$ | $\begin{gathered} 2280 \\ (1880 \text { to } 2670) \end{gathered}$ | 3080 (2530 to 3590) | $\begin{gathered} 125 \\ (103 \text { to } 146) \end{gathered}$ | $\begin{aligned} & 2.0 \% \\ & (1 \cdot 5 \text { to } 2 \cdot 3) \end{aligned}$ |
| Congo (Brazaville) | $\begin{gathered} 3150 \\ (2790 \text { to } 3450) \end{gathered}$ | $\begin{gathered} 1280 \\ (1130 \text { to } 1400) \end{gathered}$ | $\begin{gathered} 1780 \\ (1570 \text { to 1940) } \end{gathered}$ | $\begin{gathered} 98.1 \\ (86.9 \text { to 107) } \end{gathered}$ | $\begin{gathered} 5390 \\ (4590 \text { to } 6240) \end{gathered}$ | $\begin{gathered} 1930 \\ (1640 \text { to } 2230) \end{gathered}$ | $\begin{gathered} 3290 \\ (2800 \text { to } 3810) \end{gathered}$ | $\begin{gathered} 172 \\ (147 \mathrm{t} \text { to } 200) \end{gathered}$ | $\begin{gathered} 2.5 \% \\ (2.3 \text { to } 2.8) \end{gathered}$ |
| Democratic Republic of the Congo | $\begin{gathered} 50200 \\ (41900 \text { to } 58100) \end{gathered}$ | $\begin{aligned} & 23100 \\ & (19300 \text { to } 267000) \end{aligned}$ | $\begin{gathered} 25600 \\ \text { (21400 to 29700) } \end{gathered}$ | $\begin{gathered} 1450 \\ (1210 \text { to } 1670) \end{gathered}$ | $\begin{gathered} 90000 \\ (63000 \text { to } 118000) \end{gathered}$ | $\begin{aligned} & 38000 \\ & (26600 \text { to } 49700) \end{aligned}$ | $\begin{aligned} & 49700 \\ & (34700 \text { to } 65000) \end{aligned}$ | $\begin{gathered} 2340 \\ (1640+0 \end{gathered}$ | $\begin{aligned} & 2.7 \% \\ & (1.9 \text { to } 3.4) \end{aligned}$ |
| Equatorial Guinea | $\begin{gathered} 654 \\ \text { (544 to } 758 \text { ) } \end{gathered}$ | $\begin{gathered} 309 \\ (258 \text { to } 359) \end{gathered}$ | $\begin{gathered} 328 \\ \text { (273 to } 381) \end{gathered}$ | $\begin{gathered} 16.3 \\ \text { (13.6 to } 18.9 \text { ) } \end{gathered}$ | $\begin{gathered} 1510 \\ \text { (1360 to 1680) } \end{gathered}$ | $\begin{gathered} 585 \\ (527 \text { to } 648) \end{gathered}$ | $\begin{gathered} 894 \\ (805 \text { to } 990) \end{gathered}$ | $\begin{gathered} 33 \cdot 6 \\ \text { ( } 30.3 \text { to } 37 \cdot 3 \text { ) } \end{gathered}$ | $\begin{aligned} & 4.0 \% \\ & (3.8 \text { to } 4.3) \end{aligned}$ |
| Gabon | $\begin{gathered} 1230 \\ (1090 \text { to } 1370) \end{gathered}$ | $\begin{gathered} 499 \\ (442 \text { to } 556) \end{gathered}$ | $\begin{gathered} 675 \\ \text { (598 to 753) } \end{gathered}$ | $\begin{gathered} 53 \cdot 2 \\ (47 \cdot 1 \text { to } 59 \cdot 4) \end{gathered}$ | $\begin{gathered} 1820 \\ (1610 \text { to } 2020) \end{gathered}$ | $\begin{gathered} 639 \\ \text { (566 to } 709 \text { ) } \end{gathered}$ | $\begin{gathered} 1100 \\ (975 \text { to } 1220) \end{gathered}$ | $\begin{gathered} 74 \cdot 7 \\ \text { ( } 66 \cdot 1 \text { to } 82 \cdot 9) \end{gathered}$ | $\begin{aligned} & 1.9 \% \\ & (1.8 \text { to } 1.9) \end{aligned}$ |
| Eastern <br> sub-Saharan Africa | $\begin{aligned} & 250000 \\ & (242000 \text { to } 259000) \end{aligned}$ | $\begin{aligned} & 117000 \\ & (113000 \text { to } 121000) \end{aligned}$ | 127000 $(122000$ to 1310000$)$ | $\begin{aligned} & 6540 \\ & (6320 \text { to } 6760) \end{aligned}$ | $\begin{aligned} & 426000 \\ & (406000 \text { to } 447000) \end{aligned}$ | 178000 $(170000$ to 187000) | $\begin{aligned} & 236000 \\ & (225000 \text { to } 247000) \end{aligned}$ | $\begin{aligned} & 11800 \\ & (11300 \text { to } 12400) \end{aligned}$ | $\begin{aligned} & 2.5 \% \\ & (2.5 \text { to } 2.6) \end{aligned}$ |
| Burundi | $\begin{gathered} 6390 \\ \text { (5610 to } 7130 \text { ) } \end{gathered}$ | $\begin{gathered} 3040 \\ (2670 \text { to } 3400) \end{gathered}$ | $\begin{gathered} 3160 \\ (2780 \text { to 3530) } \end{gathered}$ | $\begin{gathered} 182 \\ (159 \mathrm{tota202}) \end{gathered}$ | $\begin{aligned} & 13200 \\ & (11300 \text { to } 15000) \end{aligned}$ | $\begin{gathered} 5850 \\ \text { (5020 to 6640) } \end{gathered}$ | $\begin{gathered} 7040 \\ \text { (6040 to } 7990) \end{gathered}$ | $\begin{gathered} 326 \\ (279 \text { to } 369) \end{gathered}$ | $\begin{aligned} & 3.5 \% \\ & (3.4 \text { to } 3.5) \end{aligned}$ |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | <15 years | 15-64 years | $\geq 65$ years | All ages | <15 years | 15-64 years | $\geq 65$ years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Comoros | $\begin{gathered} 553 \\ \text { (505 to } 602 \text { ) } \end{gathered}$ | $\begin{gathered} 233 \\ \text { (213 to } 253 \text { ) } \end{gathered}$ | $\begin{gathered} 300 \\ \text { (275 to } 327 \text { ) } \end{gathered}$ | $\begin{gathered} 19.5 \\ \text { (17.8 to 21.2) } \end{gathered}$ | $\begin{gathered} 744 \\ \text { (612 to } 882 \text { ) } \end{gathered}$ | $\begin{gathered} 240 \\ \text { (197 to 284) } \end{gathered}$ | $\begin{gathered} 467 \\ \text { (384 to 554) } \end{gathered}$ | $\begin{gathered} 37 \\ \text { (30.4 to } 43 \cdot 8 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.4 \% \\ & (0.9 \% \text { to 1.8) } \end{aligned}$ |
| Djibouti | $\begin{gathered} 619 \\ (546 \text { to } 696) \end{gathered}$ | $\begin{gathered} 238 \\ (210 \text { to } 268) \end{gathered}$ | $\begin{gathered} 368 \\ \text { (324 to 414) } \end{gathered}$ | $\begin{gathered} 13 \\ (11.5 \text { to } 14 \cdot 7) \end{gathered}$ | $\begin{gathered} 1260 \\ (1080 \text { to } 1450) \end{gathered}$ | $\begin{gathered} 413 \\ (355 \text { to } 476) \end{gathered}$ | $\begin{gathered} 806 \\ (693 \text { to } 927) \end{gathered}$ | $\begin{gathered} 39.8 \\ (34 \cdot 2 \text { to } 45 \cdot 8) \end{gathered}$ | $\begin{gathered} 3 \cdot 4 \% \\ (3 \cdot 3 \text { to } 3 \cdot 5) \end{gathered}$ |
| Eritrea | $\begin{gathered} 3980 \\ (3370 \text { to } 4650) \end{gathered}$ | $\begin{gathered} 1780 \\ (1500 \text { to } 2070) \end{gathered}$ | $\begin{gathered} 2130 \\ (1800 \text { to } 2480) \end{gathered}$ | $\begin{gathered} 79 \cdot 7 \\ \text { (67.4 to } 93 \text { ) } \end{gathered}$ | $\begin{gathered} 6600 \\ (4580 \text { to } 8750) \end{gathered}$ | $\begin{gathered} 2520 \\ (1750 \text { to } 3350) \end{gathered}$ | $\begin{gathered} 3900 \\ (2710 \text { to } 5180) \end{gathered}$ | $\begin{gathered} 169 \\ (118 \text { to } 225) \end{gathered}$ | $\begin{gathered} 2 \cdot 4 \% \\ (1.5 \text { to } 3.0) \end{gathered}$ |
| Ethiopia | $\begin{aligned} & 68400 \\ & (61800 \text { to } 75400) \end{aligned}$ | $\begin{gathered} 32500 \\ (29400 \text { to } 35800) \end{gathered}$ | $\begin{gathered} 34200 \\ (30900 \text { to } 37700) \end{gathered}$ | $\begin{gathered} 1710 \\ (1550 \text { to 1890) } \end{gathered}$ | $\begin{aligned} & 109000 \\ & (91800 \text { to } 125000) \end{aligned}$ | $\begin{aligned} & 44400 \\ & (37400 \text { to } 51100) \end{aligned}$ | $\begin{gathered} 61400 \\ (51700 \text { to } 70700) \end{gathered}$ | $\begin{gathered} 3220 \\ (2720 \text { to } 3710) \end{gathered}$ | $\begin{aligned} & 2 \cdot 2 \% \\ & (1 \cdot 9 \text { to } 2 \cdot 4) \end{aligned}$ |
| Kenya | $\begin{gathered} 31100 \\ (28800 \text { to } 33400) \end{gathered}$ | $\begin{gathered} 14000 \\ (12900 \text { to } 15000) \end{gathered}$ | $\begin{gathered} 16300 \\ (15100 \text { to } 17500) \end{gathered}$ | $\begin{gathered} 831 \\ (768 \text { to } 892) \end{gathered}$ | $\begin{aligned} & 50100 \\ & (46200 \text { to } 54000) \end{aligned}$ | $\begin{gathered} 18700 \\ (17200 \text { to } 20100) \end{gathered}$ | $\begin{aligned} & 29700 \\ & (27500 \text { to } 32100) \end{aligned}$ | $\begin{gathered} 1650 \\ (1530 \text { to 1790) } \end{gathered}$ | $\begin{gathered} 2.3 \% \\ \text { (2.2 to 2.3) } \end{gathered}$ |
| Madagascar | $\begin{gathered} 15900 \\ (14300 \text { to } 17500) \end{gathered}$ | $\begin{gathered} 7270 \\ (6530 \text { to } 8030) \end{gathered}$ | $\begin{gathered} 8180 \\ (7360 \text { to } 9040) \end{gathered}$ | $\begin{gathered} 406 \\ (365 \text { to } 448) \end{gathered}$ | $\begin{aligned} & 28600 \\ & (26100 \text { to } 31000) \end{aligned}$ | $\begin{gathered} 11700 \\ (10700 \text { to } 12700) \end{gathered}$ | $\begin{aligned} & 16100 \\ & (14700 \text { to } 17500) \end{aligned}$ | $\begin{gathered} 687 \\ (627 \text { to } 745) \end{gathered}$ | $\begin{gathered} 2.8 \% \\ (2.7 \text { to } 2.9) \end{gathered}$ |
| Malawi | $\begin{gathered} 11100 \\ (10200 \text { to } 11900) \end{gathered}$ | $\begin{gathered} 5080 \\ (4660 \text { to } 5470) \end{gathered}$ | $\begin{gathered} 5690 \\ \text { (5220 to 6120) } \end{gathered}$ | $\begin{gathered} 329 \\ (302 \text { to } 354) \end{gathered}$ | $\begin{aligned} & 19400 \\ & (17900 \text { to } 21000) \end{aligned}$ | $\begin{gathered} 8120 \\ (7460 \text { to } 8790) \end{gathered}$ | $\begin{aligned} & 10800 \\ & (9900 \text { to 11700) } \end{aligned}$ | $\begin{gathered} 539 \\ (494 \text { to } 582) \end{gathered}$ | $\begin{aligned} & 2.7 \% \\ & (2.7 \text { to } 2.7) \end{aligned}$ |
| Mozambique | $\begin{aligned} & 17600 \\ & (16000 \text { to 19100 }) \end{aligned}$ | $\begin{gathered} 8080 \\ (7360 \text { to } 8800) \end{gathered}$ | $\begin{gathered} 8970 \\ \text { (8180 to 9770) } \end{gathered}$ | $\begin{gathered} 506 \\ (461 \text { to } 551) \end{gathered}$ | $\begin{gathered} 31100 \\ (28200 \text { to } 33900) \end{gathered}$ | $\begin{gathered} 14300 \\ (13000 \text { to } 15600) \end{gathered}$ | $\begin{aligned} & 16000 \\ & (14600 \text { to } 17500) \end{aligned}$ | $\begin{gathered} 767 \\ (697 \text { to } 838) \end{gathered}$ | $\begin{aligned} & 2.7 \% \\ & (2.7 \text { to } 2.7) \end{aligned}$ |
| Rwanda | $\begin{gathered} 8110 \\ (7420 \text { to } 8780) \end{gathered}$ | $\begin{gathered} 3740 \\ (3420 \text { to } 4050) \end{gathered}$ | $\begin{gathered} 4180 \\ (3820 \text { to } 4520) \end{gathered}$ | $\begin{gathered} 197 \\ (180 \text { to } 213) \end{gathered}$ | $\begin{gathered} 13300 \\ (11500 \text { to } 14900) \end{gathered}$ | $\begin{gathered} 4970 \\ (4310 \text { to } 5600) \end{gathered}$ | $\begin{gathered} 7850 \\ (6810 \text { to } 8840) \end{gathered}$ | $\begin{gathered} 451 \\ (392 \text { to } 508) \end{gathered}$ | $\begin{aligned} & 2 \cdot 3 \% \\ & (2 \cdot 1 \text { to } 2 \cdot 5) \end{aligned}$ |
| Somalia | $\begin{gathered} 10200 \\ (8650 \text { to } 11700) \end{gathered}$ | $\begin{gathered} 4780 \\ (4070 \text { to } 5510) \end{gathered}$ | $\begin{gathered} 5210 \\ (4430 \text { to } 6000) \end{gathered}$ | $\begin{gathered} 170 \\ (144 \text { to 195) } \end{gathered}$ | $\begin{aligned} & 21600 \\ & (15600 \text { to 27000) } \end{aligned}$ | $\begin{gathered} 10300 \\ (7450 \text { to } 12900) \end{gathered}$ | $\begin{gathered} 10900 \\ (7850 \text { to } 13600) \end{gathered}$ | $\begin{gathered} 386 \\ (279 \text { to } 484) \end{gathered}$ | $\begin{aligned} & 3.6 \% \\ & (2.8 \text { to } 4.0) \end{aligned}$ |
| South Sudan | $\begin{gathered} 7270 \\ (6420 \text { to } 8090) \end{gathered}$ | $\begin{gathered} 3300 \\ (2920 \text { to } 3670) \end{gathered}$ | $\begin{gathered} 3770 \\ (3330 \text { to 4190) } \end{gathered}$ | $\begin{gathered} 202 \\ (178 \text { to } 225) \end{gathered}$ | $\begin{gathered} 9670 \\ (8120 \text { to } 11000) \end{gathered}$ | $\begin{gathered} 4300 \\ (3610 \text { to } 4900) \end{gathered}$ | $\begin{gathered} 5140 \\ (4310 \text { to } 5860) \end{gathered}$ | $\begin{gathered} 242 \\ (203 \text { to } 276) \end{gathered}$ | $\begin{aligned} & 1.4 \% \\ & (1.1 \text { to } 1.5) \end{aligned}$ |
| Tanzania | $\begin{gathered} 34300 \\ (31500 \text { to } 37100) \end{gathered}$ | $\begin{gathered} 15600 \\ (14300 \text { to } 16900) \end{gathered}$ | $\begin{gathered} 17700 \\ (16200 \text { to 19100 }) \end{gathered}$ | $\begin{gathered} 1070 \\ (985 \text { to 1160) } \end{gathered}$ | $\begin{gathered} 58400 \\ \text { (51500 to } 65500 \text { ) } \end{gathered}$ | $\begin{gathered} 24400 \\ (21500 \text { to } 27300) \end{gathered}$ | $\begin{aligned} & 32200 \\ & (28400 \text { to } 36100) \end{aligned}$ | $\begin{gathered} 1840 \\ (1620 \text { to 2060 }) \end{gathered}$ | $\begin{aligned} & 2.5 \% \\ & (2 \cdot 3 \text { to } 2 \cdot 7) \end{aligned}$ |
| Uganda | $\begin{gathered} 24300 \\ (22200 \text { to } 26300) \end{gathered}$ | $\begin{aligned} & 12200 \\ & (11200 \text { to } 13300) \end{aligned}$ | $\begin{gathered} 11500 \\ (10500 \text { to } 12400) \end{gathered}$ | $\begin{gathered} 565 \\ (516 \text { to } 612) \end{gathered}$ | $\begin{aligned} & 43300 \\ & (38700 \text { to } 48300) \end{aligned}$ | $\begin{aligned} & 19800 \\ & (17700 \text { to } 22100) \end{aligned}$ | $\begin{aligned} & 22500 \\ & (20000 \text { to } 25100) \end{aligned}$ | $\begin{gathered} 1010 \\ (905 \text { to 1130) } \end{gathered}$ | $\begin{aligned} & 2.8 \% \\ & (2.6 \text { to } 2 \cdot 9) \end{aligned}$ |
| Zambia | $\begin{gathered} 9930 \\ (9220 \text { to } 10600) \end{gathered}$ | $\begin{gathered} 4730 \\ (4390 \text { to } 5060) \end{gathered}$ | $\begin{gathered} 4950 \\ (4590 \text { to } 5290) \end{gathered}$ | $\begin{gathered} 246 \\ (229 \text { to } 264) \end{gathered}$ | $\begin{aligned} & 19500 \\ & (16800 \text { to } 22300) \end{aligned}$ | $\begin{gathered} 8270 \\ (7110 \text { to } 9440) \end{gathered}$ | $\begin{gathered} 10800 \\ (9270 \text { to } 12300) \end{gathered}$ | $\begin{gathered} 455 \\ \text { (391 to 519) } \end{gathered}$ | $\begin{gathered} 3 \cdot 2 \% \\ (2 \cdot 9 \text { to } 3 \cdot 5) \end{gathered}$ |
| Southern sub-Saharan Africa | $\begin{gathered} 63700 \\ (60000 \text { to } 67300) \end{gathered}$ | $\begin{gathered} 22600 \\ (21300 \text { to } 23800) \end{gathered}$ | $\begin{gathered} 38300 \\ (36100 \text { to } 40600) \end{gathered}$ | $\begin{gathered} 2790 \\ (2620 \text { to } 2960) \end{gathered}$ | $\begin{aligned} & 80300 \\ & (72900 \text { to } 88200) \end{aligned}$ | $\begin{gathered} 24100 \\ (22000 \text { to } 26200) \end{gathered}$ | $\begin{gathered} 51700 \\ (46900 \text { to } 56900) \end{gathered}$ | $\begin{gathered} 4490 \\ (4030 \text { to } 4970) \end{gathered}$ | $\begin{aligned} & 1 \cdot 1 \% \\ & (0 \cdot 9 \text { to 1.3) } \end{aligned}$ |
| Botswana | $\begin{gathered} 1700 \\ (1580 \text { to } 1820) \end{gathered}$ | $\begin{gathered} 658 \\ \text { (613 to } 706 \text { ) } \end{gathered}$ | $\begin{gathered} 978 \\ \text { (911 to } 1050 \text { ) } \end{gathered}$ | $\begin{gathered} 58.7 \\ \text { (54.6 to 62.9) } \end{gathered}$ | $\begin{gathered} 2390 \\ (2080 \text { to } 2710) \end{gathered}$ | $\begin{gathered} 698 \\ (606 \text { to } 791) \end{gathered}$ | $\begin{gathered} 1590 \\ (1380 \text { to 1800) } \end{gathered}$ | $\begin{gathered} 105 \\ \text { (90.8 to 118) } \end{gathered}$ | $\begin{aligned} & 1 \cdot 6 \% \\ & (1 \cdot 3 \text { to 1.9) } \end{aligned}$ |
| Eswatini | $\begin{gathered} 1020 \\ (927 \text { to } 1110) \end{gathered}$ | $\begin{gathered} 445 \\ (406 \text { to } 485) \end{gathered}$ | $\begin{gathered} 546 \\ (498 \text { to } 595) \end{gathered}$ | $\begin{gathered} 25.8 \\ (23.5 \text { to } 28.1) \end{gathered}$ | $\begin{gathered} 1160 \\ (1030 \text { to } 1260) \end{gathered}$ | $\begin{gathered} 413 \\ \text { (368 to 451) } \end{gathered}$ | $\begin{gathered} 703 \\ (626 \text { to } 767) \end{gathered}$ | $\begin{gathered} 40 \\ (35 \cdot 7 \text { to } 43 \cdot 7) \end{gathered}$ | $\begin{aligned} & 0.6 \% \\ & (0.5 \text { to } 0.6) \end{aligned}$ |
| Lesotho | $\begin{gathered} 1740 \\ (1570 \text { to 1910) } \end{gathered}$ | $\begin{gathered} 680 \\ (617 \text { to } 748) \end{gathered}$ | $\begin{gathered} 976 \\ \text { (885 to 1070) } \end{gathered}$ | $\begin{gathered} 79 \cdot 7 \\ \text { (72.3 to } 87.7) \end{gathered}$ | $\begin{gathered} 1870 \\ (1680 \text { to 2070) } \end{gathered}$ | $\begin{gathered} 630 \\ (566 \text { to } 695) \end{gathered}$ | $\begin{gathered} 1160 \\ (1040 \text { to } 1280) \end{gathered}$ | $\begin{gathered} 83 \cdot 9 \\ (75 \cdot 4 \text { to } 92 \cdot 5) \end{gathered}$ | $\begin{aligned} & 0.4 \% \\ & (0.3 \text { to } 0.4) \end{aligned}$ |
| Namibia | $\begin{gathered} 1830 \\ (1700 \text { to 1960) } \end{gathered}$ | $\begin{gathered} 748 \\ (695 \text { to } 800) \end{gathered}$ | $\begin{gathered} 1020 \\ \text { (948 to 1090) } \end{gathered}$ | $\begin{gathered} 65 \cdot 8 \\ (61 \cdot 1 \text { to } 70 \cdot 4) \end{gathered}$ | $\begin{gathered} 2430 \\ (2090 \text { to } 2730) \end{gathered}$ | $\begin{gathered} 825 \\ \text { (711 to } 926 \text { ) } \end{gathered}$ | $\begin{gathered} 1500 \\ (1300 \text { to } 1690) \end{gathered}$ | $\begin{gathered} 101 \\ (87 \cdot 2 \text { to } 114) \end{gathered}$ | $\begin{aligned} & 1.3 \% \\ & (1.0 \text { to } 1.6) \end{aligned}$ |
| South Africa | $\begin{gathered} 45400 \\ (41800 \text { to } 48800) \end{gathered}$ | $\begin{gathered} 15000 \\ (13800 \text { to } 16100) \end{gathered}$ | $\begin{gathered} 28300 \\ (26000 \text { to } 30400) \end{gathered}$ | $\begin{gathered} 2170 \\ (2000 \text { to } 2340) \end{gathered}$ | $\begin{aligned} & 56900 \\ & (49700 \text { to } 64300) \end{aligned}$ | $\begin{aligned} & 15200 \\ & (13300 \text { to } 17200) \end{aligned}$ | $\begin{aligned} & 38000 \\ & (33200 \text { to } 42900) \end{aligned}$ | $\begin{gathered} 3670 \\ \text { (3210 to 4140) } \end{gathered}$ | $\begin{aligned} & 1.1 \% \\ & (0.8 \text { to 1.3) } \end{aligned}$ |
| Zimbabwe | $\begin{gathered} 12000 \\ (11100 \text { to } 12900) \end{gathered}$ | $\begin{gathered} 5060 \\ (4670 \text { to } 5440) \end{gathered}$ | $\begin{gathered} 6530 \\ (6030 \text { to } 7020) \end{gathered}$ | $\begin{gathered} 389 \\ (359 \text { to } 418) \end{gathered}$ | $\begin{gathered} 15600 \\ (13800 \text { to } 17500) \end{gathered}$ | $\begin{gathered} 6290 \\ (5570 \text { to } 7050) \end{gathered}$ | $\begin{gathered} 8810 \\ \text { (7790 to 9860) } \end{gathered}$ | $\begin{gathered} 494 \\ (437 \text { to } 553) \end{gathered}$ | $\begin{aligned} & 1 \cdot 2 \% \\ & (1 \cdot 1 \text { to } 1 \cdot 4) \end{aligned}$ |
| Western sub-Saharan Africa | $\begin{aligned} & 259000 \\ & (246000 \text { to } 273000) \end{aligned}$ | $\begin{aligned} & 116000 \\ & (110000 \text { to } \\ & 122000) \end{aligned}$ | $\begin{aligned} & 135000 \\ & (128000 \text { to } 142000) \end{aligned}$ | $\begin{aligned} & 8220 \\ & (7790 \text { to } 8640) \end{aligned}$ | $\begin{aligned} & 490000 \\ & (462000 \text { to } 518000) \end{aligned}$ | $\begin{aligned} & 215000 \\ & (203000 \text { to } \\ & 227000) \end{aligned}$ | $\begin{aligned} & 261000 \\ & (247000 \text { to } 276000) \end{aligned}$ | $\begin{aligned} & 13700 \\ & (12900 \text { to } 14400) \end{aligned}$ | $\begin{gathered} 3.0 \% \\ (3.0 \text { to 3.1) } \end{gathered}$ |


|  | Population in 2000 (thousands) |  |  |  | Population in 2021 (thousands) |  |  |  | Annualised rate of change in population, 2000-21 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | $<15$ years | 15-64years | $\geq 65$ years | All ages | <15years | 15-64 years | $\geq 65$ years |  |
| (Continued from previous page) |  |  |  |  |  |  |  |  |  |
| Benin | $\begin{gathered} 6720 \\ (6170 \text { to } 7260) \end{gathered}$ | $\begin{gathered} 3250 \\ (2990 \text { to } 3520) \end{gathered}$ | $\begin{gathered} 3260 \\ (3000 \text { to } 3530) \end{gathered}$ | $\begin{gathered} 201 \\ \text { (184 to 217) } \end{gathered}$ | $\begin{gathered} 13500 \\ \text { (11800 to 15100) } \end{gathered}$ | $\begin{gathered} 6080 \\ (5330 \text { to } 6820) \end{gathered}$ | $\begin{gathered} 7050 \\ (6180 \text { to } 7910) \end{gathered}$ | $\begin{gathered} 370 \\ (325 \text { to } 415) \end{gathered}$ | $\begin{aligned} & 3.3 \% \\ & \text { (3.1 to } 3 \cdot 5 \text { ) } \end{aligned}$ |
| Burkina Faso | $\begin{gathered} 12400 \\ (11300 \text { to } 13700) \end{gathered}$ | $\begin{gathered} 6050 \\ \text { (5480 to } 6660 \text { ) } \end{gathered}$ | $\begin{gathered} 5970 \\ \text { (5410 to 6560) } \end{gathered}$ | $\begin{gathered} 409 \\ (370 \text { to } 450) \end{gathered}$ | $\begin{aligned} & 22800 \\ & (20900 \text { to } 24600) \end{aligned}$ | $\begin{aligned} & 10400 \\ & (9550 \text { to } 11200) \end{aligned}$ | $\begin{gathered} 11700 \\ (10800 \text { to 12700) } \end{gathered}$ | $\begin{gathered} 690 \\ (635 \text { to } 747) \end{gathered}$ | $\begin{aligned} & 2.9 \% \\ & (2.8 \text { to } 3.0) \end{aligned}$ |
| Cabo Verde | $\begin{gathered} 451 \\ (420 \text { to } 482) \end{gathered}$ | $\begin{gathered} 188 \\ (176 \text { to } 201) \end{gathered}$ | $\begin{gathered} 236 \\ (220 \text { to } 252) \end{gathered}$ | $\begin{gathered} 26 \cdot 9 \\ (25 \cdot 1 \text { to } 28.8) \end{gathered}$ | $\begin{gathered} 559 \\ (487 \text { to } 634) \end{gathered}$ | $\begin{gathered} 143 \\ \text { (125 to } 162 \text { ) } \end{gathered}$ | $\begin{gathered} 382 \\ \text { (333 to } 434 \text { ) } \end{gathered}$ | $\begin{gathered} 33 \cdot 7 \\ \text { (29.4to } 38 \cdot 2 \text { ) } \end{gathered}$ | $\begin{aligned} & 1.0 \% \\ & (0.7 \text { to } 1 \cdot 3) \end{aligned}$ |
| Cameroon | $\begin{gathered} 15100 \\ (13600 \text { to } 16600) \end{gathered}$ | $\begin{gathered} 6820 \\ (6160 \text { to } 7530) \end{gathered}$ | $\begin{gathered} 7780 \\ \text { (7020 to 8590) } \end{gathered}$ | $\begin{gathered} 453 \\ (409 \text { to } 500) \end{gathered}$ | $\begin{aligned} & 31800 \\ & (26700 \text { to } 37200) \end{aligned}$ | $\begin{gathered} 13500 \\ (11300 \text { to } 15700) \end{gathered}$ | $\begin{aligned} & 17500 \\ & \text { (14600 to 20400) } \end{aligned}$ | $\begin{gathered} 862 \\ (723 \text { to 1010) } \end{gathered}$ | $\begin{aligned} & 3 \cdot 5 \% \\ & (3 \cdot 2 \text { to } 3 \cdot 8) \end{aligned}$ |
| Chad | $\begin{gathered} 8290 \\ (7350 \text { to } 9220) \end{gathered}$ | $\begin{gathered} 4130 \\ (3660 \text { to } 4590) \end{gathered}$ | $\begin{gathered} 3890 \\ (3450 \text { to } 4330) \end{gathered}$ | $\begin{gathered} 269 \\ (238 \text { to } 299) \end{gathered}$ | $\begin{gathered} 17700 \\ \text { (15200 to 20300) } \end{gathered}$ | $\begin{gathered} 9010 \\ \text { (7720 to 10300) } \end{gathered}$ | $\begin{gathered} 8330 \\ (7130 \text { to } 9510) \end{gathered}$ | $\begin{gathered} 409 \\ (350 \text { to } 467) \end{gathered}$ | $\begin{gathered} 3 \cdot 6 \% \\ (3 \cdot 5 \text { to } 3 \cdot 8) \end{gathered}$ |
| Côted'lvoire | $\begin{aligned} & 16900 \\ & (15700 \text { to 18200) } \end{aligned}$ | $\begin{gathered} 7290 \\ (6740 \text { to } 7850) \end{gathered}$ | $\begin{gathered} 9270 \\ (8570 \text { to } 9980) \end{gathered}$ | $\begin{gathered} 390 \\ (360 \text { to } 420) \end{gathered}$ | $\begin{aligned} & 27900 \\ & (24900 \text { to } 31100) \end{aligned}$ | $\begin{gathered} 11600 \\ (10300 \text { to } 12900) \end{gathered}$ | $\begin{gathered} 15600 \\ (13900 \text { to } 17400) \end{gathered}$ | $\begin{gathered} 728 \\ (649 \text { to } 814) \end{gathered}$ | $\begin{aligned} & 2 \cdot 4 \% \\ & (2.2 \text { to } 2.5) \end{aligned}$ |
| The Gambia | $\begin{gathered} 1350 \\ (1240 \text { to } 1460) \end{gathered}$ | $\begin{gathered} 604 \\ \text { (555 to } 653 \text { ) } \end{gathered}$ | $\begin{gathered} 706 \\ \text { (648 to } 763) \end{gathered}$ | $\begin{gathered} 40 \cdot 6 \\ (37 \cdot 3 \text { to } 43 \cdot 9) \end{gathered}$ | $\begin{gathered} 2390 \\ (2110 \text { to } 2680) \end{gathered}$ | $\begin{gathered} 993 \\ (875 \text { to } 1110) \end{gathered}$ | $\begin{gathered} 1330 \\ (1170 \text { to 1490) } \end{gathered}$ | $\begin{gathered} 72.1 \\ (63 \cdot 5 \text { to } 80 \cdot 9) \end{gathered}$ | $\begin{aligned} & 2.7 \% \\ & (2.5 \text { to } 2.9) \end{aligned}$ |
| Ghana | $\begin{gathered} 19100 \\ (17800 \text { to } 20400) \end{gathered}$ | $\begin{gathered} 8010 \\ (7460 \text { to } 8530) \end{gathered}$ | $\begin{aligned} & 10500 \\ & \text { (9770 to } 11200 \text { ) } \end{aligned}$ | $\begin{gathered} 642 \\ \text { (598 to } 683) \end{gathered}$ | $\begin{aligned} & 34200 \\ & (29700 \text { to } 38900) \end{aligned}$ | $\begin{aligned} & 12900 \\ & (11200 \text { to } 14600) \end{aligned}$ | $\begin{aligned} & 20200 \\ & (17500 \text { to } 22900) \end{aligned}$ | $\begin{gathered} 1200 \\ (1040 \text { to } 1360) \end{gathered}$ | $\begin{aligned} & 2 \cdot 8 \% \\ & (2 \cdot 4 \text { to 3•1) } \end{aligned}$ |
| Guinea | $\begin{gathered} 8100 \\ (7380 \text { to } 8800) \end{gathered}$ | $\begin{gathered} 3750 \\ \text { (3420 to 4070) } \end{gathered}$ | $\begin{gathered} 3970 \\ (3620 \text { to } 4310) \end{gathered}$ | $\begin{gathered} 382 \\ (348 \text { to } 415) \end{gathered}$ | $\begin{gathered} 13400 \\ (12000 \text { to } 15000) \end{gathered}$ | $\begin{gathered} 6050 \\ \text { (5380 to 6730) } \end{gathered}$ | $\begin{gathered} 6960 \\ (6200 \text { to } 7750) \end{gathered}$ | $\begin{gathered} 425 \\ \text { (379 to 474) } \end{gathered}$ | $\begin{gathered} 2.4 \% \\ (2.3 \text { to } 2.5) \end{gathered}$ |
| Guinea-Bissau | $\begin{gathered} 1250 \\ (1080 \text { to } 1410) \end{gathered}$ | $\begin{gathered} 580 \\ \text { (504 to } 655 \text { ) } \end{gathered}$ | $\begin{gathered} 635 \\ \text { (552 to } 717 \text { ) } \end{gathered}$ | $\begin{gathered} 31 \cdot 2 \\ (27 \cdot 2 \text { to } 35 \cdot 3) \end{gathered}$ | $\begin{gathered} 2060 \\ (1780 \text { to } 2340) \end{gathered}$ | $\begin{gathered} 898 \\ \text { (775 to 1020) } \end{gathered}$ | $\begin{gathered} 1120 \\ \text { (966 to 1270) } \end{gathered}$ | $\begin{gathered} 46 \cdot 4 \\ (40 \text { to } 52 \cdot 6) \end{gathered}$ | $\begin{aligned} & 2 \cdot 4 \% \\ & (2 \cdot 4 \text { to } 2 \cdot 5) \end{aligned}$ |
| Liberia | $\begin{gathered} 2850 \\ \text { (2520 to 3180) } \end{gathered}$ | $\begin{gathered} 1260 \\ (1120 \text { to } 1410) \end{gathered}$ | $\begin{gathered} 1480 \\ (1310 \text { to } 1650) \end{gathered}$ | $\begin{gathered} 105 \\ (93 \cdot 3 \text { to 118) } \end{gathered}$ | $\begin{gathered} 5460 \\ (4610 \text { to } 6310) \end{gathered}$ | $\begin{gathered} 2190 \\ (1840 \text { to } 2530) \end{gathered}$ | $\begin{gathered} 3140 \\ (2650 \text { to } 3630) \end{gathered}$ | $\begin{gathered} 138 \\ \text { (117 to 160) } \end{gathered}$ | $\begin{aligned} & 3 \cdot 1 \% \\ & (2 \cdot 9 \text { to } 3 \cdot 3) \end{aligned}$ |
| Mali | $\begin{gathered} 11100 \\ (10200 \text { to } 12000) \end{gathered}$ | $\begin{gathered} 5280 \\ (4850 \text { to } 5710) \end{gathered}$ | $\begin{gathered} 5450 \\ (5010 \text { to } 5900) \end{gathered}$ | $\begin{gathered} 338 \\ \text { (311 to } 366 \text { ) } \end{gathered}$ | $\begin{gathered} 24100 \\ (20600 \text { to } 27500) \end{gathered}$ | $\begin{aligned} & 11600 \\ & (9900 \text { to } 13200) \end{aligned}$ | $\begin{gathered} 11900 \\ (10200 \text { to } 13600) \end{gathered}$ | $\begin{gathered} 633 \\ \text { (541 to } 722 \text { ) } \end{gathered}$ | $\begin{aligned} & 3.7 \% \\ & (3.4 \text { to } 4.0) \end{aligned}$ |
| Mauritania | $\begin{gathered} 2610 \\ \text { (2440 to 2790) } \end{gathered}$ | $\begin{gathered} 1150 \\ (1080 \text { to } 1230) \end{gathered}$ | $\begin{gathered} 1360 \\ (1270 \text { to 1450) } \end{gathered}$ | $\begin{gathered} 99 \cdot 4 \\ (92.7 \text { to } 106) \end{gathered}$ | $\begin{gathered} 4400 \\ (3880 \text { to } 4930) \end{gathered}$ | $\begin{gathered} 1850 \\ \text { (1640 to 2080) } \end{gathered}$ | $\begin{gathered} 2370 \\ \text { (2100 to 2660) } \end{gathered}$ | $\begin{gathered} 169 \\ (149 \text { to 189) } \end{gathered}$ | $\begin{aligned} & 2.5 \% \\ & (2.2 \text { to } 2.7) \end{aligned}$ |
| Niger | $\begin{gathered} 11300 \\ \text { (10 400 to } 12100 \text { ) } \end{gathered}$ | $\begin{gathered} 5560 \\ \text { (5130 to 5980) } \end{gathered}$ | $\begin{gathered} 5470 \\ (5050 \text { to } 5880) \end{gathered}$ | $\begin{gathered} 248 \\ (229 \text { to } 267) \end{gathered}$ | $\begin{aligned} & 25000 \\ & \text { (21900 to } 28 \text { 000) } \end{aligned}$ | $\begin{aligned} & 12800 \\ & (11200 \text { to 14300) } \end{aligned}$ | $\begin{aligned} & 11700 \\ & (10200 \text { to } 13100) \end{aligned}$ | $\begin{gathered} 572 \\ \text { (500 to 641) } \end{gathered}$ | $\begin{aligned} & 3.8 \% \\ & (3.5 \text { to } 4.0) \end{aligned}$ |
| Nigeria | $\begin{aligned} & 123000 \\ & (110000 \text { to } 135000) \end{aligned}$ | $\begin{gathered} 53400 \\ (48000 \text { to } 58900) \end{gathered}$ | $\begin{gathered} 65300 \\ (58700 \text { to } 72100) \end{gathered}$ | $\begin{gathered} 3950 \\ (3550 \text { to 4360) } \end{gathered}$ | $\begin{aligned} & 231000 \\ & (206000 \text { to } 258000) \end{aligned}$ | $\begin{aligned} & 102000 \\ & (90400 \text { to } 113000) \end{aligned}$ | $\begin{aligned} & 123000 \\ & (110000 \text { to 138000) } \end{aligned}$ | $\begin{gathered} 6200 \\ \text { (5510 to 6920) } \end{gathered}$ | $\begin{aligned} & 3.0 \% \\ & (3.0 \text { to 3.1) } \end{aligned}$ |
| São Tomé and Príncipe | $\begin{gathered} 144 \\ (133 \text { to } 154) \end{gathered}$ | $\begin{gathered} 64 \cdot 5 \\ (59.7 \text { to } 69 \cdot 4) \end{gathered}$ | $\begin{gathered} 73 \cdot 1 \\ (67.7 \text { to } 78.7) \end{gathered}$ | $\begin{gathered} 6 \\ (5.6 \text { to } 6 \cdot 5) \end{gathered}$ | $\begin{gathered} 217 \\ \text { (191 to 243) } \end{gathered}$ | $\begin{gathered} 77.8 \\ \text { (68.6 to } 87.3 \text { ) } \end{gathered}$ | $\begin{gathered} 131 \\ \text { (116 to } 147 \text { ) } \end{gathered}$ | $\begin{gathered} 7.8 \\ \text { (6.8 to } 8.7) \end{gathered}$ | $\begin{aligned} & 2.0 \% \\ & (1.7 \text { to } 2 \cdot 2) \end{aligned}$ |
| Senegal | $\begin{gathered} 9930 \\ (9180 \text { to 10700) } \end{gathered}$ | $\begin{gathered} 4390 \\ (4060 \text { to } 4720) \end{gathered}$ | $\begin{gathered} 5210 \\ (4810 \text { to } 5600) \end{gathered}$ | $\begin{gathered} 337 \\ (312 \text { to } 362) \end{gathered}$ | $\begin{gathered} 15900 \\ (14000 \text { to } 17600) \end{gathered}$ | $\begin{gathered} 6360 \\ \text { (5620 to } 7060 \text { ) } \end{gathered}$ | $\begin{gathered} 8920 \\ (7880 \text { to } 9900) \end{gathered}$ | $\begin{gathered} 583 \\ \text { (515 to } 647 \text { ) } \end{gathered}$ | $\begin{aligned} & 2.2 \% \\ & (2.0 \text { to } 2.4) \end{aligned}$ |
| Sierra Leone | $\begin{gathered} 4420 \\ (4010 \text { to } 4810) \end{gathered}$ | $\begin{gathered} 1980 \\ (1800 \text { to } 2160) \end{gathered}$ | $\begin{gathered} 2260 \\ (2050 \text { to } 2450) \end{gathered}$ | $\begin{gathered} 182 \\ \text { (164 to 197) } \end{gathered}$ | $\begin{gathered} 8870 \\ \text { (7940 to 9810) } \end{gathered}$ | $\begin{gathered} 3580 \\ \text { (3200 to } 3960 \text { ) } \end{gathered}$ | $\begin{gathered} 5010 \\ (4490 \text { to } 5550) \end{gathered}$ | $\begin{gathered} 276 \\ (247 \text { to } 305) \end{gathered}$ | $\begin{gathered} 3 \cdot 3 \% \\ (3 \cdot 3 \text { to } 3 \cdot 4) \end{gathered}$ |
| Togo | $\begin{gathered} 4850 \\ (4270 \text { to } 5470) \end{gathered}$ | $\begin{gathered} 2180 \\ (1910 \text { to } 2450) \end{gathered}$ | $\begin{gathered} 2560 \\ (2260 \text { to } 2890) \end{gathered}$ | $\begin{gathered} 114 \\ \text { (101 to 129) } \end{gathered}$ | $\begin{gathered} 8370 \\ (7160 \text { to } 9500) \end{gathered}$ | $\begin{gathered} 3310 \\ (2830 \text { to } 3760) \end{gathered}$ | $\begin{gathered} 4810 \\ (4120 \text { to } 5460) \end{gathered}$ | $\begin{gathered} 254 \\ \text { (217 to } 288 \text { ) } \end{gathered}$ | $\begin{gathered} 2.6 \% \\ (2.5 \text { to } 2 \cdot 6) \end{gathered}$ |



Figure 9: Annual change in global total population by GBD super-region, 1950-2021
Annual change is defined as the difference between the population size in the current year and the preceding year. Different colours show GBD super-regions. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study.

2010 and 2019, but to a smaller extent (figure 10). The rate of natural increase was negative between 2000 and 2009 in Bulgaria, Croatia, Germany, Hungary, Italy, Lithuania, Moldova, Monaco, Romania, and Serbia, and to an even larger extent between 2010 and 2019 (figure 10). Of the 204 countries and territories, peak population was reached between 1950 and 1969 in three countries and territories, between 1970 and 1989 in eight countries and territories, between 1990 and 2009 in 23 countries and territories, between 2010 and 2021 in 22 countries and territories, and the peak population had not yet been reached as of 2021 in 148 countries and territories.
The age structure of populations changed substantially across the globe between 1950 and 2021, with a general shift in the distribution away from younger ages and towards older ages (table 5). From 2000 to 2021, the proportion of the population aged younger than 15 years decreased in 196 of 204 countries and territories, with some of the largest declines observed in Saudi Arabia (from $36 \cdot 0 \%$ to $20 \cdot 1 \%$ ) and Syria ( $41 \cdot 5 \%$ to $26 \cdot 1 \%$ ). The eight countries in which the proportion of the population aged younger than 15 years did not decline were Angola, Chad, Kazakhstan, Mali, Niger, Nigeria, Russia, and Somalia. During this same period, the proportion of the population aged 65 years and older increased in 175 of 204 countries and territories; some of the largest increases were observed in Japan (from $17 \cdot 2 \%$ to $28 \cdot 9 \%$ ) and Puerto Rico (from $11 \cdot 0 \%$ to $22 \cdot 0 \%$ ). Three of 204 countries and territories had an increase in the proportion of the population aged younger than 15 years combined with a decline in the proportion of the population aged 65 years and older; these nations (Mali,

Nigeria, and Chad) are all located in sub-Saharan Africa. The ratio of the population aged 65 years and older to the population aged less than 15 years increased between 2000 and 2021 in 188 of 204 countries and territories, including all nations within the high-income; Latin America and the Caribbean; south Asia; and southeast Asia, east Asia, and Oceania super-regions (figure 11). Some of the largest increases occurred in Japan, Puerto Rico, and South Korea. The countries and territories in which this ratio did not increase were Afghanistan, Benin, Burkina Faso, Burundi, Cameroon, Chad, Democratic Republic of Congo, Guinea, GuineaBissau, Kyrgyzstan, Liberia, Mali, Mozambique, Nigeria, Sierra Leone, and South Sudan.

## Discussion

## Main findings

Our comprehensive set of updated demographic metrics indicate profound changes in the global health landscape during the first 2 years of the COVID-19 pandemic relative to historical trends. Long-term trends of decreasing mortality were superseded by marked increases in mortality rates in age groups older than 15 years during 2020 and 2021; in contrast, mortality in children under 5 years remained largely unaffected by the pandemic and continued to decrease globally. Global life expectancy declined sharply during 2020 and 2021, reversing the longstanding trend of life expectancy improvement. Agestandardised rates demonstrated the pandemic was disproportionately severe in countries within sub-Saharan Africa, the Middle East, south Asia, and Latin America. The COVID-19 pandemic has also highlighted the need for timely and comprehensive data collection and reporting. The development of high-quality civil registration and vital statistics systems has stagnated in many parts of the world due to multifaceted societal, financial, logistical, legislative, and political reasons, with notable exceptions including China, India, and some countries in north Africa and the Middle East. Population growth has slowed globally since 2017, although future declines might not persist at rates similar to those in 2020 and 2021 as the pandemic eases. In contrast, population growth is steady in south Asia and accelerating in sub-Saharan Africa. Increasing populations in many low-income and middle-income locations, combined with a shift in the age distribution away from younger ages and towards older ages, is likely to lead to new social, economic, and political challenges.

## Data availability and gaps

Although the proportion of registered deaths has continuously increased at the global level since 1950, we observed marked variability across GBD super-regions and individual countries and territories. Civil registration and vital statistics are particularly scarce in sub-Saharan Africa; investment in vital registration system development in these nations is recommended to improve the


Figure 10: Rate of natural increase in population, 2010-19 versus 2000-09
Rate of natural increase is shown for 204 countries and territories coloured by GBD super-region. The rate of natural increase is calculated as the number of births minus the number of deaths divided by the person-years during the time period. The shape of the datapoints represents the year that peak population was reached. Purple shading indicates a higher rate of natural increase between 2010 and 2019 than between 2000 and 2009; green shading denotes a higher rate between 2000 and 2009 than between 2010 and 2019; yellow shading indicates a negative rate between 2010 and 2019 and a positive rate between 2000 and 2009; blue shading denotes a negative rate across all years that was most pronounced between 2010 and 2019; orange shading indicates a negative rate across all years that was most pronounced between 2000 and 2009; white shading denotes a negative rate between 2000 and 2009 and a positive rate between 2010 and 2019. The years 2020 and 2021 were omitted due to the impact of the COVID-19 pandemic on deaths. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study.
availability of data necessary for accurate health measurements and policy evaluation. The COVID-19 pandemic highlighted the need for accessible and up-todate health data when trying to understand and track emerging global health events. Much uncertainty remains about the true extent of the effect of the pandemic on mortality in countries and territories with minimal to no vital registration data available, which is particularly concerning considering that these countries are potentially the most negatively impacted by the pandemic. With the exception of China, India, and some countries in north Africa and the Middle East, progress in improving the extent of global death registration has slowedperhaps due to a focus on cheaper but less permanent and systematic data collection efforts, such as small-scale and large-scale surveys. Although surveys are an invaluable source of demographic information, investing in more
expensive yet comprehensive civil registration and vital statistics systems is crucial to monitor and improve population health. ${ }^{26}$
Beyond creating and improving civil registration and vital statistics systems, countries and territories without data during the past decade would also benefit from collecting additional data from other sources, such as censuses and nationally representative surveys. 30 countries and territories had no available data on child mortality for the period 2015-21, and 62 countries and territories had no available data on adult mortality. 41 countries and territories had no usable census data between 2010 and 2021, but census data were available before 2000 for these countries. Furthermore, the COVID-19 pandemic interrupted many data collection efforts, such as the USAID Demographic and Health Surveys Program, ${ }^{27}$ and national censuses, which are


Figure 11: Ratio of the number of individuals older than 65 years to those younger than 15 years, 2000 versus 2021
This ratio is shown for 204 countries and territories coloured by GBD super-region. The size of the datapoints indicates the annualised rate of change in total population from 2000 to 2021, and the black dotted line represents the line of equality. GBD=Global Burden of Diseases, Injuries, and Risk Factors Study.
now resuming. ${ }^{28}$ Impacts such as these must be resolved to improve future data availability.

## Impact of the COVID-19 pandemic

The COVID-19 pandemic had differential effects on mortality across the lifespan. Life expectancy decreased in every GBD super-region and $84 \%$ of countries and territories from 2019 to 2021, but younger age groups were minimally affected. This finding is a welcome contrast to early warnings about potentially devastating impacts of the pandemic on child mortality. ${ }^{29}$ Conversely, increases in mortality rates in populations aged 25 years and older were observed on a scale not seen in the previous 70 years. ${ }^{30}$ Although the burden of excess deaths and all-age excess mortality rates due to the pandemic was largest in countries in central and eastern Europe, and Latin America, our analysis of age-standardised mortality rates highlights the relative severity of the pandemic's effects on mortality in certain countries within sub-Saharan Africa, the Middle East, south Asia,
and Latin America. There was a general association between higher SDI and lower excess mortality, but this association was not particularly strong, and many countries were exceptions to this association, suggesting that at the population level, SDI was not always a strong predictor of excess mortality due to the COVID-19 pandemic in 2020 and 2021. Excess mortality was particularly high in nations such as Bolivia and South Africa when compared with other countries and territories with a similar SDI, which some have argued was in part due to relaxed containment strategies and vaccine hesitancy. ${ }^{31}$ Conversely, excess mortality was particularly low in countries such as the Solomon Islands and Bhutan, which might be a reflection of delayed transmission in more isolated nations and of high vaccination rates. ${ }^{32}$ These findings emphasise that mortality outcomes during the COVID-19 pandemic were not solely determined by SDI and that vaccination efforts, public policies, and individual behaviour changes likely influenced the severity of the pandemic across countries and territories at all levels of SDI. ${ }^{33-37}$ Reports published as recently as 2023 have shown that since 2021, mortality due to the pandemic has declined, ${ }^{38,39}$ presumably driven by vaccination efforts, public policies, individual behaviour changes, and the emergence of new SARS-CoV-2 variants with lower case-fatality ratios. ${ }^{40,41}$ However, mortality has increased in some locations, which might be due to lifting of protective restrictions. ${ }^{42}$

## Long-term mortality trends

In the era of the UN Sustainable Development Goals (SDGs), there has been a decline in the global U5MR, which continued during the COVID-19 pandemic. However, progress has varied substantially between countries, and many continue to lag behind SDG targets. Based on the trajectory of U5MR between 2010 and 2021, 38 countries will not reach SDG target 3.2 of a U5MR at least as low as 25 deaths per 1000 livebirths by 2030 (appendix 2 table S2A). To eradicate preventable under-5 deaths, more equitable global strategiesintensified in regions with the highest rates-are imperative. Compared with child mortality, reductions in adult mortality have not been as consistent globally. Historically, increased adult mortality was observed in the 1990s in countries spanning eastern and southern Africa, eastern Europe, and central Asia. During the late 2010s, some high-income nations, including the USA, have had mortality spikes, particularly among the $15-39$-years age group, which reflect mortality patterns associated with increased drug and alcohol misuse and mental health disorders. ${ }^{43,44}$ The $15-39$-years age group is particularly volatile globally, and is the age group most affected by fatal discontinuities such as conflict. ${ }^{45}$ Sex differences in mortality vary widely across the globe. The global ratio of male to female mortality has generally increased, although it has differed as a function of age. The largest variability in the ratio of male to female
mortality was in the $15-39$-years age group with much less variability observed in younger and older age groups. These differences go beyond biological explanations and highlight the importance of future efforts to address mortality risks to which males are particularly susceptible due to behavioural factors, war and conflict, occupational hazards, homicide, and suicide. ${ }^{46,47}$ The substantial differences among countries show, however, that it is also important to address mortality risks that predominantly affect women, such as maternal mortality, gender-based violence, and economic disparities. ${ }^{48,49}$ We also found that life expectancy was consistently higher in countries in the Americas, east Asia, and western Europe than countries in sub-Saharan Africa, and this effect was strongly associated with SDI. Although we did not establish causal effects, this finding is supported by many studies showing that social determinants of health are key drivers of mortality, ${ }^{50-54}$ and improving education, economic prosperity, and gender inequalities is vital for continual progress in health outcomes globally. However, notable exceptions regarding the relationship between mortality and SDI indicate that other factors are also involved.

## Population dynamics and age structures

Although the rate of global population growth has plateaued and started to decline since 2017, in lower income countries-primarily in sub-Saharan Africarapid population growth has continued. Thus, much of future population growth will likely occur in the poorest regions. Resource scarcity and rapid infrastructure expansion will be crucial issues to address. ${ }^{55,56}$ These factors, and a history of colonialism, can contribute to political instability. ${ }^{57,58}$ These challenges will require responses from governments and the global community. Furthermore, the concentration of population growth has shifted to locations with the poorest health-ie, locations with the highest child mortality rates. This might lead to challenges in continuing improvement of health outcomes.
Outside of these locations, slowing of population growth is widespread. Although most countries and territories had not reached a peak population as of 2021, in 171 of 204 countries and territories a lower rate of natural increase was observed between 2010 and 2019 than between 2000 and 2009. Furthermore, our analysis of population age structures over time indicated a prominent shift towards older ages in most regions and nations. As older populations expand and reduced younger populations reach working-age, nations could encounter economic and social challenges requiring updated policies related to health care, retirement, reproduction, childcare, and migration. ${ }^{59-62}$ The shift towards a higher ratio of older people to younger people will require greater attention to be paid to labour shortages, health systems strengthening, and evaluation of government policies on retirement and health care. ${ }^{61,6,6,64}$

However, beneficial consequences such as the so-called second demographic dividend of greater personal wealth and investment in human capital might offset some of these challenges. ${ }^{65}$ Future research on these topics must seek to understand how changing population dynamics impact health outcomes and systems, and how health interventions can be tailored to address the unique challenges posed by these demographic shifts. Migration is particularly relevant to these challenges. Voluntary emigration from locations with younger adult population bulges to locations in need of more labour to support ageing populations is an open public policy discussion. ${ }^{66,67}$ The level of migration needed to support older age populations is dynamic and is likely to change over time with technological innovations and new public policies. ${ }^{68}$ Furthermore, environmental constraints in some highincome countries might limit immigration possibilities. Migration of skilled workers out of lower-income countries might consequently worsen these economies. ${ }^{6970}$ Global cooperation is necessary, and guidelines such as the UN Global Compact for Safe, Orderly and Regular Migration ${ }^{71}$ can help lead this work.

## Comparisons between GBD 2021 estimates and other estimates

There are numerous differences in data processing and statistical modelling assumptions between the GBD 2021 estimates reported here and those from other demographic studies that provide important advantages. Excess mortality estimates for 2020 and 2021 have been previously reported in the GBD study and by other institutes. Our previous excess mortality estimates reported 18.2 million ( $95 \%$ UI $17 \cdot 1-19 \cdot 6$ ) excess deaths in this study. Estimating mortality during the COVID-19 pandemic was particularly difficult due to many factors including delays in reporting, differing granularity of available data, and political will to provide accurate data. Although our earlier estimates were based on the best available data and methodology at the time, we have made data and modelling improvements that resulted in this lower estimate. We updated to more reliable data sources in some countries that corrected errors in reporting, and included more data up to the end of 2021. Methodologically, we modelled data at the yearly level, and additionally included age-specific detailed projections from our GBD mortality modelling process to inform our non-pandemic counterfactual, which generally led to higher estimates of expected non-pandemic mortality and thus lower excess mortality.
Our current estimate of global excess mortality during 2020 and 2021 is comparable to the WHO estimate of 14.9 million ( $95 \%$ UI $13 \cdot 3-16 \cdot 6$ ) excess deaths, ${ }^{15}$ with our mean estimate falling within the uncertainty interval of the WHO estimate and vice versa. Our estimates tend to be higher than those of WHO for sub-Saharan Africa, with the largest differences being 233000 more deaths in Nigeria and 177000 more deaths in Ethiopia; and south Asia, with the largest differences being 262000 more
deaths in Pakistan and 171000 more deaths in Bangladesh. However, our estimate for India was 1.3 million deaths lower than that of WHO, which is the largest discrepancy in this direction. We also estimated 123000 more excess deaths in China-our results indicated positive excess, whereas WHO estimated negative excess. The largest differences occur in locations for which little or no all-cause mortality data were available for the pandemic period, and thus estimates relied on predictive models. These differences reflect different covariates used for predictions models. Additionally, WHO models and predicts all-cause mortality rates in locations without data, whereas we predict excess mortality rates directly, which leads to different assumptions and functional forms for statistical models. Differences in locations with all-cause mortality data are driven by different data processing steps and different models for expected non-pandemic mortality.
The latest estimates from UNICEF, published in 2023, reported a global U5MR of 38.1 deaths ( $95 \%$ UI $36 \cdot 1-42 \cdot 2$ ) per 1000 livebirths in 2021, ${ }^{22}$ which is consistent with our estimate of 35.7 deaths (30.5-42.0) per 1000 livebirths. The mean relative difference at the national level between our 2021 U5MR estimates and those provided by UNICEF is $-2 \cdot 6 \%$, ranging from $-58 \cdot 4 \%$ to $111 \cdot 9 \%$. Similar to our estimates, the UNICEF estimates show a continued decreasing trend in child mortality during the COVID-19 pandemic. Between 1950 and 2019, the mean relative difference between our estimates and UNICEF estimates across countries and territories was $-2 \cdot 0 \%$, ranging from $-64 \cdot 3 \%$ to $154 \cdot 6 \%$. These differences primarily reflect differences in data inclusion, processing, and synthesis. For example, our estimate of mortality in Iran in 2021 is $58.4 \%$ lower than that of UNICEF. We included vital registration data from 2021 and our estimates closely match this observed mortality, whereas UNICEF does not include these data, leading to higher estimates. Using the most recent available data suggests our estimates are more reliable.
Adult mortality estimates at the country level from the 2022 UN World Population Prospects (WPP) report are on average $11 \cdot 1 \%$ lower than our 2021 estimates, ${ }^{13}$ which range from $41 \cdot 8 \%$ lower to $289 \cdot 5 \%$ higher. Between 1950 and 2019, the mean relative difference between our adult mortality estimates and those from WPP 2022 was $-4 \cdot 3 \%$, ranging from $-64 \cdot 0 \%$ to $229 \cdot 6 \%$. Differences between WPP 2022 estimates of national life expectancy at birth and those from GBD 2021 are primarily driven by these differences in adult mortality estimates, and variability in child mortality estimates. While locationyears with complete death registration show substantial agreement between estimates, with a mean relative difference of $1 \cdot 3 \%$, our estimates for 2021 range from $7 \cdot 8$ years lower to $10 \cdot 1$ years higher, and our estimates for years before the COVID-19 pandemic range from 20.4 years lower to 38.4 years higher. The largest
discrepancies were due to location-years with large fatal discontinuities or scarcity of high-quality vital registration data. Furthermore, discrepancies between 2021 estimates are highly influenced by the differences in estimation of excess mortality due to the COVID-19 pandemic. As one of the largest differences, our life expectancy estimate for Nigeria in 2021 is $10 \cdot 1$ years higher than the WPP estimate, driven by our estimated $41.8 \%$ lower adult mortality. Our adult mortality estimates more closely follow the bulk of the data from sibling-survival histories, and our age-specific mortality estimates rely on a database of 43758 empirical life tables as opposed to the Coale-Demeny north model life table used by WPP 2022, which has been shown to underperform compared with other modern model life table methods. ${ }^{73,74}$
For further comparison with WPP and as a model validation exercise, we compared estimated age-specific mortality rates and death counts from our analysis and from WPP with those calculated directly from all locationyears of vital registration data deemed to have complete death registration. When comparing our results, we used our population estimates as the denominator to calculate mortality rates from vital registration; similarly, we used WPP population estimates as the denominator for that comparison. Across all location-year-age-sex mortality rates, our estimates had mean absolute error of $0 \cdot 024$, indicating a good fit to the data, along with root mean squared error (RMSE) of $0 \cdot 52$. These were lower than the respective 0.033 and 0.53 calculated for WPP. Similarly, our death count estimates had a mean absolute error of 84.8 and RMSE of 365 compared with a mean absolute error of 222 and RMSE of 1032 for WPP estimates.
Estimates of the global population from WPP 2022 are similar to that of this study, with an estimated global population of 7.91 billion in 2021, compared with our estimate of 7.89 billion ( $95 \%$ UI $7 \cdot 67-8 \cdot 13$ ). On average in 2021, country-level population estimates were $0 \cdot 2 \%$ lower in GBD 2021 than WPP 2022 and ranged from $34.2 \%$ lower to $82.2 \%$ higher. For specific ages, differences in the younger than 15 years age group ranged from $48.0 \%$ lower to $75.3 \%$ higher, while differences in the 65 years and older age group ranged from $36 \cdot 0 \%$ lower to $39 \cdot 5 \%$ higher. The largest relative differences were for locations in which no recent census data were available, and those with substantial net inmigration from other countries.

## Limitations

This research has several limitations. First, estimates continue to be limited by data source availability and scope. COVID-19 showed the crucial need to create more robust vital registration systems that can highlight the differential effects of disease and injury across population subgroups in a timely manner. 93 of 204 countries and territories had no available all-cause mortality data to
estimate excess mortality due to the COVID-19 pandemic, which means our estimates in these areas are solely driven by associations with covariates. These locations were largely in regions where the effects of the pandemic were most severe. Furthermore, the scarcity of high-quality civil registration and vital statistics systems to produce reliable data in many low-income and middle-income countries introduces large-scale uncertainty in all demographic estimates. Additionally, population estimates in certain countries rely on modelled projections due to no available recent censuses. Future development of reliable data sources is crucial because estimates improve as the quality of underlying data improves. Subsequent GBD cycles will provide revised estimates after additional data for recent years become available.
Second, analysis of more granular subpopulations such as subnational areas or by other population characteristics was restricted by data availability. Although our effort represents the most comprehensive global analysis of mortality and population, the estimates presented in this research mask substantial heterogeneity in smaller geographies. This limits the utility of our estimates to provide insights for more targeted interventions, for example, understanding occupational hazards in industrial regions. Improving this aspect of the research requires more comprehensive and detailed data, such as by race, ethnicity, socioeconomic status, and smaller administrative levels, ${ }^{75-7}$ and future work will aim to produce more comprehensive health metrics.
Third, the GBD demographics approach has not developed an encompassing model to estimate migration together with population, mortality, and fertility. Estimating migration in a model that jointly informs population, mortality, and fertility will not only improve accuracy of population estimates, but also allow assessing and improving corrections for death registration completeness and census coverage. This is crucial in locations with large migration flows, such as the United Arab Emirates and Qatar, where current methods for these corrections might not perform well. ${ }^{8,79}$ The increased importance of migration at present and in the future, especially considering the shifting age structure in many populations, places renewed importance on producing reliable migration estimates.
Fourth, we assumed a binomial distribution when calculating data variance and did not evaluate other models of distribution. Some of our input data might be overdispersed, resulting in inaccurate estimates of data variance. However, we do not expect that changing our assumptions on the distribution would have a sizeable impact on estimates since the sampling errors on vital registration and civil registration mortality and fertility data are likely to be much smaller than non-sampling errors. In the future, we will consider testing such assumptions.
Fifth, computational resources did not permit propagation of uncertainty for all covariates throughout
the analytical process. While uncertainty from model estimation was accounted for at each stage, such as U5MR, adult mortality, and age-specific mortality rates, uncertainties for some covariates such as lag-distributed income and education were not. Similarly, estimates of coefficients in the COVID-19 excess mortality prediction model did not include uncertainty. Future iterations of GBD will investigate computationally more efficient implementation of current methods and development of new methods to allow for all sources of uncertainty to be included in modelling.

## Future directions

The COVID-19 pandemic will likely continue to impact estimates of demographic trends in future years due to reporting lags and the persistent effects of the pandemic. Future research should focus on understanding the full demographic impact of the pandemic in 2022 and beyond. Methodologically, we aim to improve our incorporation of excess mortality and COVID-19 direct mortality estimates into the GBD mortality estimation process, rather than post-hoc unification of two separate modelling endeavours. We also plan to develop a standalone migration model and integrate this model into the GBD demographic estimation process. Along with this, we aim to simultaneously estimate mortality and population rather than the current sequentially iterative approach. This would allow the uncertainty in mortality estimates to inform population estimates and vice versa, helping address issues in age, period, and cohort trends that might otherwise arise.

## Conclusion

Tracking long-term health trends and evaluating the impact of the COVID-19 pandemic require accurate global, regional, and national estimates of mortality, life expectancy, and population, because these crucial demographic indicators foundationally underpin our understanding of population health. The comprehensive demographic metrics reported in this study show that marked reversals in adult mortality and life expectancy trends occurred during 2020 and 2021, leading to increased mortality and reduced life expectancy worldwide. This increased mortality did not occur in younger populations: mortality rates in children under 5 years continued to decline globally during the first 2 years of the pandemic, although more equitable and intensified investment is needed to achieve SDG targets in many locations. While global population growth is slowing, geographical distributions and age structures are undergoing fundamental shifts-low-income countries and territories continue to grow, and population structures across the globe are ageing. Nations in the post-pandemic world will need to address emerging health-care, economic, and social challenges with new policies and practices. The development, implementation, and evaluation of these health policies and practices in diverse locations around
the world can be informed and guided by the GBD 2021 demographic estimates. Accurate mortality, life expectancy, and population estimates might be even more important to informing policy and practice in a post-pandemic world than in the past. Collectively, the extensive set of demographic estimates reported here represent a valuable global tool for policy evaluation, development, and implementation in diverse locations around the world.

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Please see appendix 1 section 9 for more detailed information about individual author contributions to the research, divided into the following categories: managing the overall research enterprise; writing the first draft of the manuscript; primary responsibility for applying analytical methods to produce estimates; primary responsibility for seeking, cataloguing, extracting, or cleaning data; designing or coding figures and tables; providing data or critical feedback on data sources; developing tables; providing data or critical feedback on data sources; developing
methods or computational machinery; providing critical feedback on methods or results; drafting the manuscript or revising it critically for important intellectual content; and managing the estimation or publications process. Members of the core research team for this topic area had full access to the underlying data used to generate estimates presented in this article. All other authors had access to and reviewed estimates as part of the research evaluation process, which includes additional stages of formal review. The corresponding and senior authors had full access to the data in the study and final responsibility for the decision to submit for publication.

## Declaration of interests

Olugbenga Olusola Abiodun reports payment or honoraria for lectures and presentations from Cardiocare Hospital, Servier, and AstraZeneca;
support for attending meetings from Boehringer Ingelheim, and presentations from Cardiocare Hospital, Servier, and AstraZeneca;
support for attending meetings from Boehringer Ingelheim, Megalifesciences, and MSN; all outside the submitted work. Saira Afzal
reports payment for educational events and webinars from King Edward Megalifesciences, and MSN; all outside the submitted work. Saira Afzal
reports payment for educational events and webinars from King Edward Medical University and collaborative partners including University of Johns Hopkins, University of California, University of Massachusetts, University of Nebraska, Imperial College London, KEMCA-UK, KEMCAANA, and APPNA; participation on data safety monitoring boards or advisory boards for the National Bioethics Committee Pakistan, the King Edward Medical University institutional ethical review board, and the Fatima Jinnah Medical University and Sir Ganga Ram Hospital ethical review board; leadership or a fiduciary role in other board, society, committee, or advocacy groups, paid or unpaid, for the Pakistan Association of Medical Editors, fellow of Faculty of Public Health Royal Colleges UK, Society of Prevention, Advocacy And Research, King Edward Medical University, and Member Pakistan Society of Infectious Diseases; other financial or non-financial interest as a member Corona Experts Advisory Group, member of the Dengue Advisory Group, member of the Technical Working Group and Guidelines development for COVID-19, has provided expert opinion in National Command and Operation Committee Government of Pakistan, member of the Research and Journals Committee Pakistan Medical and Dental Council, member of the Higher Education Commission Research
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 publications process. Members of the core research team for this topic Pakistan, the King Edward Medical University institutional ethical board, society, committee, or advocacy groups, paid or unpaid, for the Gaidional Command and Operation Committee Government of Pakistan,and Publications Committee on Quality Assurance Agency, dean of Public Health and Preventive Medicine King Edward Medical University, director of Quality Enhancement Cell King Edward Medical University, chief editor of Annals of King Edward Medical University, and Chief Editor History Book King Edward Medical University; all outside the submitted work. Robert Ancuceanu reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from AbbVie, Sandoz, B Braun, Laropharm, and MagnaPharm, all outside the submitted work. 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Edward J Boyko reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational
events from the Korean Diabetes Association, Diabetes Association (Taiwan), and the American Diabetes Association, all outside the submitted work. Márcia Carvalho reports other financial or non-financial interests in LAQV-REQUIMTE and the Faculty of Science and Technology under the scope of the project UIDP/50006/2020, outside the submitted work. Joao Conde reports grants or contracts from the European Research Council (starting grant ERC-StG-2019-848325; $€ 1.5$ million funding), outside the submitted work. Saswati Das reports leadership or a fiduciary role in other board, society, committee or advocacy group, unpaid, with the Association for Diagnostics and Laboratory Medicine, and the Women in Global Health India Chapter, outside the submitted work. Louisa Degenhardt reports educational grants from Indivior to examine new opioid medications in Australia, outside the submitted work. Andreas K Demetriades reports leadership or a fiduciary role in other board, society, committee or advocacy group, unpaid, with the AO Knowledge Forum Degen Steering Committee, Global Neuro Foundation Board, and the European Association of Neurological Societies board, all outside the submitted work. Susanna J Dunachie reports support for the present manuscript from the UK Fleming Fund at Department of Health and Social Care, Bill \& Melinda Gates Foundation, Wellcome Trust, and UK National Institute of Health and Care Research (NIHR); grants or contracts from UKRI (MR/W02067X/1 and MR/W020653/1), the US Defense Threat Reduction Agency, Wellcome Drug Resistant Infections Discretionary Award, and UK Department of Health and Social Care; consulting fees from Scottish Parliament for serving as Scientific Advisor and from Wellcome for serving as funding committee member; participation on the Data Monitoring Committee for UK STABILISE study of BCG Vaccine in COPD; leadership or a fiduciary role in other board, society, committee or advocacy group, paid or unpaid, as a member of the New and Emerging Respiratory Virus Threats Advisory Group, chair of Wellcome SEDRIC subgroup on data standards and harmonisation in antimicrobial resistance, UK, member of the Variant Technical Group for SARS-CoV-2 for UK Health Security Agency, expert adviser to WHO's Global Antimicrobial Resistance Surveillance System, member of WHO Guidelines Development Group on Treatment of Ebola; all outside the submitted work. Andre Faro reports support for the present manuscript from Coordination of Superior Level Staff Improvement (Brazil), Productivity in Research Scholarship (PQ Scholarship). Irina Filip and Amir Radfar report support for the present manuscript from Avicenna Medical and Clinical Research Institute. Artem Alekseevich Fomenkov reports support for the present manuscript from Ministry of Science and Higher Education of the Russian Federation (theme number 121050500047-5). Lisa M Force reports support for the present manuscript from the Gates Foundation; grants or contracts from Conquer Cancer Foundation, St Jude Children's Research Hospital, St Baldrick's Foundation, and NIH Loan Repayment Program; leadership or a fiduciary role in other board, society, committee or advocacy group, unpaid, with the Lancet Oncology International Advisory Board; all outside the submitted work. Matteo Foschi reports consulting fees as a scientific consultant for Roche and Novartis; support for attending meetings or travel from Roche, Novartis, Biogen, Merck, and Sanofi; and a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as a member of the MSBase Collaboration Scientific Leadership Group; outside the submitted work. Richard Charles Franklin reports grants or contracts from Heatwaves in Queensland and Arc Flash Human Factors (Government of Queensland), and Mobile Plant Safety (Agrifutures); honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from the World Safety Conference 2022 as the conference convener; support for attending meetings or travel from the Tropical Medicine and Travel Medicine Conference $(2022,2023)$ and the Travel Medicine Conference (Basel 2023); a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as the Director of Kidsafe, Director of Farmsafe, Director of Auschem, a member of the Governance Committee of ISASH, and Injury Prevention special interest group convenor, Public Health Association of Australia; outside the submitted work. Emmanuela Gakidou reports support for the present manuscript from the Gates Foundation. Quan Gan reports other financial or non-financial interest in the International Agency for Research on Cancer, WHO; the authors alone are responsible
for the views expressed in this article and they do not necessarily represent the decisions, policy or views of the International Agency for Research on Cancer or WHO. Paramjit Singh Gill reports support for the present manuscript from the NIHR as senior investigator with payments to their institution; the views expressed in this publication are those of the authors and not necessarily those of the NIHR or the UK Department of Health and Social Care. Avirup Guha reports grants or contracts from the American Heart Association and Department of Defense; consulting fees from Pfizer, Novartis, and Myovant; and a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid, with ZERO Prostate Cancer Health Equity Task Force; all outside the submitted work. Claudiu Herteliu reports grants or contracts from the Romanian Ministry of Research Innovation and Digitalizatio (project number ID-585-CTR-42-PFE-2021), a grant of the European Commission Horizon 4P-CAN (Personalised Cancer Primary Prevention Research through Citizen Participation and Digitally Enabled Social Innovation), project "Societal and Economic Resilience within multi-hazards environment in Romania" funded by European Union-NextgenerationEU and Romanian Government, under National Recovery and Resilience Plan for Romania (contract number 760050/23.05.2023, cod PNRR-C9-I8-CF 267/29.11.2022), through the Romanian Ministry of Research, Innovation and Digitalization, within Component 9, Investment I8; and project "A better understanding of socio-economic systems using quantitative methods from Physics" funded by European Union-NextgenerationEU and Romanian Government, under National Recovery and Resilience Plan for Romania (contract number 760034/23.05.2023, cod PNRR-C9-I8-CF 255/29.11.2022), through the Romanian Ministry of Research, Innovation and Digitalization, within Component 9, Investment I8; outside the submitted work. Michael Hultström reports support for the present manuscript from Knut och Alice Wallenberg Foundation, Swedish Heart-Lung Foundation, and the Swedish Association for Medicine, all as payments to their institution; payment or honoraria for lectures from the Swedish Society for Anaesthesiology and Intensive Care; support for attending meetings or travel from the American Physiological Society; and a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid, with the American Physiological Society; all outside the submitted work. Desta Ijo reports grants or contracts from the Ethiopian Public Health Institute (EPHI); and consulting fees from EPHI National Data Management Center for Health through their salary; all outside the submitted work. Irena M Illic reports support for the present manuscript from the Serbian Ministry of Education Science and Technological Development (project number 175042, 2011-2023). Milena D Illic reports support for the present manuscript from the Serbian Ministry of Education Science and Technological Development (project number 451-03-47/2023-01/200111). Sheikh Mohammed Shariful Islam reports grants or contracts from National Health and Medical Research Council through a fellowship, and from the Heart Foundation of Australia through a fellowship and Vanguard Grant, both outside the submitted work. Nahlah Elkudssiah Ismail reports A leadership or fiduciary role in other board, society, committee or advocacy group, unpaid, as a council member of the Malaysian Academy of Pharmacy, outside the submitted work. John S Ji reports a leadership or fiduciary role in other board, society, committee or advocacy group, unpaid, with the WHO Technical Advisory Group Climate Health Ethics, outside the submitted work. Tamas Joo reports support for the present manuscript from Data-Driven Health Division of the National Laboratory for Health Security, National Research, Development and Innovation Office in Hungary (grant number RRF-2.3.1-21-2022-00006). Jacek Jerzy Jozwiak reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Novartis, Adamed, and Amgen, all outside the submitted work. Sanjay Kalra reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from AstraZeneca, Boehringer Ingleheim, Novo Nordisk, and Sanofi; and a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as president of the Endocrine Society of India and the South Asian Federation of Endocrine Societies; all outside the submitted work. Srinivasa Vittal Katikireddi reports support for the present manuscript from the Scottish Government Chief Scientist Office (SPHSU17), the UK Medical

Research Council (MC_UU_00022/2), and the European Research Council (949582). John H Kempen reports support for the present manuscript from the Massachusetts Eye and Ear Surgery Program and Sight for Souls; grants or contracts from the National Institutes of Health (NIH)/National Eye Institute and US Agency for International Development; participation on a data safety monitoring board or advisory board with Gilead Pharmaceuticals; a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid on the Board of Directors with Sight for Souls; and stock or stock options with Betaliq and Tarsier; outside the submitted work. Mika Kivimäki reports grants or contracts from Wellcome Trust (221854/Z/20/Z), Medical Research Council (R024227), National Institute on Aging (R01AG062553, R01AG056477), Academy of Finland (350426), and the Finnish Foundation for Cardiovascular Research (a86898); outside the submitted work. Kewal Krishan reports other non-financial interests from the UGC Centre of Advanced Study, awarded to the Department of Anthropology, Panjab University, outside the submitted work. Judit Lám reports support for the present manuscript from the National Research, Development and Innovation Fund (project number TKP2021-NVA-11). Munjae Lee reports support for the present manuscript from the Ministry of Education of the Republic of Korea and the National Research Foundation of Korea (grant number NRF-2021R1I1A4A01057428) and Bio-convergence Technology Education Program through the Korea Institute for Advancement Technology funded by the Ministry of Trade, Industry and Energy (grant number P0017805). Ming-Chieh Li reports grants or contracts from The National Science and Technology Council in Taiwan (NSTC 112-2410-H-003-031); and a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as the technical editor of the Journal of the American Heart Association; outside the submitted work. Katherine M Livingstone reports grants or contracts from the 2020 National Health and Medical Research Council Investigator Grant (APP1173803) and the 2022 Heart Foundation Vanguard Grant (ID106800); outside the submitted work. Mansour Adam Mahmoud reports grant or contract funding from the Deputyship for Research and Innovation, Ministry of Education in Saudi Arabia (project number 445-5-748). Morteza Mahmoudi reports other financial or non-financial interests as co-founder and director of the Academic Parity Movement, a non-profit organisation dedicated to addressing academic discrimination, violence and incivility; as a cofounder of and shareholder in Targets' Tip; and from royalties or honoraria for published books, plenary lectures, and licensed patents; outside the submitted work. Hamid Reza Marateb reports support for the present manuscript from The Beatriu de Pinós post-doctoral programme from the Office of the Secretary of Universities and Research from the Ministry of Business and Knowledge of the Government of Catalonia (programme number 2020 BP 00261); and payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Universitat Politècnica de Catalunya; outside the submitted work. Richard James Maude reports support for the present manuscript from Wellcome Trust (grant number 22021)] as it provides core funding for Mahidol Oxford Tropical Medicine Research and contributes to his salary. Colm McAlinden reports grants or contracts as a co-applicant on an awarded Welsh Government research grant related to diabetic eye disease (unpaid role); consulting fees from Acufocus, Atia Vision, Bausch and Lomb, BVI, Coopervision, Cutting Edge, Fudan University, Hoya, Knowledge Gate Group, Johnson \& Johnson Surgical Vision, Keio University, Ludwig-Maximilians-University, Medevise Consulting SAS, Ophtec BV, SightGlass vision, Science in Vision, Scope, SpyGlass, Sun Yat-sen University, Targomed GmbH, University of São Paulo, and Vold Vision; payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Scope, Thea pharmaceuticals; support for travel expenses from Bayer, British Society of Refractive Surgery, Portuguese Society of Ophthalmology, Royal College of Ophthalmologists, Scope, Thea pharmaceuticals; a leadership or fiduciary role in other board, society, committee or advocacy group, unpaid as a council member of the British Society for Refractive Surgery, unpaid as a PROM advisor to the Royal College of Ophthalmologists, an editorial board member for Graefe's Archive for Clinical and Experimental Ophthalmology, Eye and Vision, Archives of Medical Science, Journal of Clinical Medicine, Journal of Ophthalmology, and

Journal of Clinical and Experimental Ophthalmology, and as an associate editor for Frontiers in Medicine - Ophthalmology; and other financial interests from developing the Quality of Vision questionnaire and the Orthokeratology and Contact Lens Quality of Life Questionnaire, and consultancy fees on topics including Rasch analysis, questionnaires, statistical analyses, and clinical and surgical ophthalmology topics, and paid peer reviews for Research Square; all outside the submitted work. Alexios-Fotios A Mentis reports grants or contract funding from MilkSafe: a novel pipeline to enrich formula milk using omics technologies, research cofinanced by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (project code T2EDK-02222), and from ELIDEK (Hellenic Foundation for Research and Innovation, MIMS-860; both outside of the present manuscript); payment for expert testimony from serving as external peer-reviewer for Fondazione Cariplo, Italy; participation on a data safety monitoring or advisory board as editorial board member for Systematic Reviews, Annals of Epidemiology, and as associate editor for Translational Psychiatry; stock or stock options from a family winery; and other financial interests as the current scientific officer for BGI Group; outside the submitted work. Sultan Ayoub Meo reports grant or contract support from the Research Supporting Project, King Saud University (grant number RSP-2024 R47), outside the submitted work. Lorenzo Monasta reports support for the present manuscript from the Ministry of Health (Ricerca Corrente 34/2017) through payments made to the Institute for Maternal and Child Health IRCCS Burlo Garofolo. Rafael Silveira Moreira reports grants or contracts from CNPq Research Productivity Scholarship (National Council for Scientific and Technological Development) scholarship registration number 316607/2021-5; outside the submitted work. Jakub Morze reports grants or contracts from the SciLifeLab \& Wallenberg Data Driven Life Science Program (KAW 2020.0239); and consulting fees from ALAB Laboratoria; outside the submitted work. Jonathan F Mosser reports support for the present manuscript from the Gates Foundation; grants or contracts from Gavi; and support for attending meetings and travel from the Gates Foundation; outside the submitted work. Faraz Mughal reports support for the present manuscript funded by the NIHR (grant number 300957). Sathish Muthu reports a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid from ICRS Next Gen Committee as a committee member, AO Spine KF Degenerative as an associate member, and SICOT grants committee as a member; all outside the submitted work. Shuhei Nomura reports support for the present manuscript from Ministry of Education, Culture, Sports, Science and Technology of Japan (grant number 21H03203) and Precursory Research for Embryonic Science and Technology from the Japan Science and Technology Agency (grant number JPMJPR22R8). Bo Norrving reports participation on a data safety monitoring board or advisory board with Simbec Orion, outside the submitted work. Mpiko Ntsekhe reports grants or contracts from SA Medical Research Council, National Heart, Lung, and Blood Institute, and National Institute of Allergy and Infectious Diseases; and consulting fees from Novartis Pharmaceuticals and Novo Nordisk; outside the submitted work. Akinkunmi Paul Okekunle reports support for the present manuscript and support for attending meetings or travel from the National Research Foundation of Korea funded by the Ministry of Science and Information and Communication Technology (grant number 2020H1D3A1A04081265). Pramod Kumar Pal reports grants or contracts paid to their institution from the Indian Council of Medical Research, the Department of Science \& Technology-Science and Engineering Research Board, the Department of Biotechnology, Department of Science \& Technology-Cognitive Science Research Initiative, Wellcome Trust UK-India Alliance DBT, PACE scheme of BIRAC, Michael J Fox Foundation, and Scientific Knowledge for Ageing and Neurological Ailments-Research Trust; Payment and honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events as faculty, speaker, and author from the International Parkinson and Movement Disorder Society, and Movement Disorder Societies of Korea, Taiwan and Bangladesh; support for attending meetings or travel from the National Institute of Mental Health and Neurosciences, International Parkinson and Movement Disorder Society, and Movement Disorder Societies of Korea, Taiwan and Bangladesh;
a leadership or fiduciary role in other board, society, committee or advocacy group, unpaid as the Past President of Indian Academy of Neurology, Past Secretary of Asian and Oceanian subsection of International Parkinson and Movement Disorder Society, Editor-in-Chief of Annals of Movement Disorders, chair of the Education Committee of International Parkinson and Movement Disorder Society, president of the Parkinson Society of Karnataka, chair of Infection Related Movement Disorders Study Group of MDS, member of Rare Movement Disorders Study Group of International Parkinson and Movement Disorder Society, member of Education Committee of IAPRD, member of Rating Scales Education and Training Program Committee of IPMDS, member of Neurophysiology Task Force of International Parkinson and Movement Disorder Society (IPMDS), member of Movement Disorders in Asia Study Group, member of Post-Stroke Movement Disorders, member of Ataxia Study Group of IPMDS, and as a member of Ataxia Global Initiative; all outside the submitted work. Raul Felipe Palma-Alvarez reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Angelini, Lundbeck, Rubió, Servier, and Takeda; all outside the submitted work. Amy E Peden reports support for the present manuscript from the Australian National Health and Medical Research Council (grant number APP2009306). Manon Pigeolet reports a grant from the Belgian Kids' Fund for Pediatric Research, outside the submitted work. Thomas Pilgrim reports grants or contracts to the institution from Biotronik, Boston Scientific, Edwards Lifesciences, and ATSens; speaker and consulting fees paid to the institution from Biotronik, Boston Scientific, Edwards Lifesciences, Abbott, Medtronic, Biosensors, and Highlife; participation on a data safety monitoring board or advisory board for the EMPIRE Study (sponsored by Biosensors); receipt of equipment, materials, drugs, medical writing gifts or other services from ATsens; all outside the submitted work. Constance Dimity reports grants or contracts paid to the University of Newcastle from Valley to Coast Charitable Trust; consulting fees from Sydney North Primary Health Network, HNECC Primary Health Network, SW Sydney Primary Health Network, Australian Department of Health and Aged Care, NSW Health, Royal Australian College of General Practitioners, Dementia Training Australia, Palliative Care Australia, University of Sydney, Monash University, Biogen, Roche, and Medicines Australia; payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Dementia Training Australia, Sydney North Health Network, and In vivo Academy; payment for expert testimony from Legal Aid NSW; support for attending meetings or travel from the Royal Australian College of General Practitioners and Palliative Care Australia; a leadership or fiduciary role in other board, society, committee or advocacy group unpaid as Provost (NSW Faculty, The Royal Australian College of General Practitioners), vice president of Doctors Reform Society, chair of WONCA Special Interest Group, Ageing and Health, board member of Hunter Postgraduate Medical Institute, paid roles as adjunct professor in the School of Rural Medicine of University of New England, adjunct professor in the School of Nursing and Midwifery of Western Sydney University, clinical professor in the Wicking Dementia Research Education Centre of University of Tasmania, and professor of General Practice at University of Newcastle (until August 2021); all outside the submitted work. Luis Felipe Reyes reports consulting fees from GSK, MSD, and Pfizer; payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from GSK, MSD, and Pfizer; payment for expert testimony from GSK, MSD, and Pfizer; support for attending meetings or travel from GSK, MSD, and Pfizer; outside the submitted work. Daniel Cury Ribeiro reports grants or contracts paid to the University of Otago from the Health Research Council (New Zealand 18/111), outside the submitted work. Luca Ronfani reports support for the present manuscript from the Italian Ministry of Health (Ricerca Corrente 34/2017), with payments made to the Institute for Maternal and Child Health IRCCS Burlo Garofolo.
Andrzej Rynkiewicz reports consulting fees from Ingelheim, and payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Boehringer Ingelheim, Amgen, and Servier; all outside the submitted work. Simona Sacco reports grants or contracts from Novartis and Uriach; consulting fees from Novartis, Allergan-AbbVie, Teva, Lilly, Lundbeck, Pfizer,

NovoNordisk, Abbott, AstraZeneca; payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Novartis, Allergan-AbbVie, Teva, Lilly, Lundbeck, Pfizer, NovoNordisk, Abbott, AstraZeneca; support for attending meetings or travel from Lilly, Novartis, Teva, Lundbeck; a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as the president elect of the European Stroke Organization, and the second vice-president of the European Headache Federation; and receipt of equipment, materials, drugs, medical writing, gifts or other services from Allergan-AbbVie, NovoNordisk; all outside the submitted work uan Sanabria reports support for attending meetings or travel from the Marshall University Medical School; three patents pending; participation in quality assessment and assurance for surgeries of his Marshall University Department of Surgery; a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid with ASTS, SSO, and AASLD; all outside the submitted work. Chinmoy Sarkar reports other financial interests as a Global Health Leadership Fellow from National Academy of Medicine, outside the submitted work. Nikolas Scarmeas reports grants or contracts with Novo Nordisc as the local principal investigator of a recruitment site for multinational, multicenter industry sponsored phase 3 treatment trial for Alzheimer's disease with funding paid to the institution; participation on a data safety monitoring board or advisory board with Albert Einstein College of Medicine (NIH funded study) as the chair of data safety monitoring board; all outside the submitted work. Benedikt Michael Schaarschmidt reports research grants from Else Kröner-Fresenius Foundatuin, DFG, and PharmaCept; payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from AstraZeneca; support for attending meetings or travel from Bayer AG; all outside the submitted work. Nilay S Shah reports support for the present manuscript from the National Heart, Lung, and Blood Institute (grant number K23HL157766). Amin Sharifan reports leadership or fiduciary roles in other board, society, committee or advocacy group, unpaid as a steering member of the Cochrane Early Career Professionals Network; and receipt of equipment, materials, drugs, medical writing, gifts or other services from Elsevier; outside the submitted work Saurab Sharma reports support for the present manuscript from the John J Bonica Postdoctoral Fellowship from the International Association for the Study of Pain (IASP; 2021-23); payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from giving an online lecture and a travel grant for delivering a talk conducted by the Pain Education special interest group of the IASP at the World Pain Congress in Toronto (2022); support for attending meetings or travel from the International Association for the Study of Pain to attend its biennial meeting in Toronto (September 2022); outside the submitted work. Velizar Shivarov reports one issue patent in Bulgaria and one issue utility model in Bulgaria; restricted stock units for ICON; and other financial interests from Iconplc/PRAHS (salary), outside the submitted work. Sunil Shrestha reports other financial interests from the Graduate Research Merit Scholarship from the School of Pharmacy at Monash University Malaysia, outside the submitted work. João Pedro Silva reports support for the present manuscript from the Portuguese Foundation for Science and Technology. Luís Manuel Lopes Rodrigues Silva reports grants or contracts from CENTRO-04-3559-FSE-000162, Fundo Social Europeu, outside the submitted work. Colin R Simpson reports grants or contracts from Ministry of Business, Innovation, \& Employement (New Zealand), Health Research Council (New Zealand), Ministry of Health (New Zealand), UK Medical Research Council, Health Data Research UK, and CSO (UK); a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid with the New Zealand Government Data Ethics Advisory Group as the chair; outside the submitted work. Marco Solmi reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from AbbVie and Otsuka, outside the submitted work. Dan J Stein reports consulting fees from Discovery Vitality, Johnson \& Johnson, Kanna, L'Oreal, Lundbeck, Orion, Sanofi, Servier, Takeda, and Vistagen, outside the submitted work. Stefan Stortecky reports grants or contracts paid to their institution from Edwards Lifesciences, Medtronic, Abbott, and Boston Scientific; consulting fees from Boston Scientific/ BTG and Teleflex; payment or honoraria for lectures, presentations,

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For the statistical code used in
GBD 2021 see http://ghdx. healthdata.org/gbd-2021/code
speakers bureaus, manuscript writing or educational events from Boston Scientific/BTG; outside the submitted work. Katharina S Sunnerhagen reports a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as the chair of the scientific committee for the Swedish stroke association; outside the submitted work. Luis M Taborda-Barata reports payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events from Sanofi, AstraZeneca, and LETI Laboratories; outside the submitted work. Amanda G Thrift reports grants or contracts paid to their institution from the Australian National Health \& Medical Research Council (grant numbers 1171966 and 1182071) and the Medical Research Future Fund (Australian Government; grant number 2015976); outside the submitted work. Samuel Joseph Tromans reports grants or contracts from the 2023 Adult Psychiatric Morbidity Survey team, collecting epidemiological data on community-based adults living in England; this is a contracted study from NHS Digital, via the Department of Health and Social Care; outside the submitted work. Tissa Wijeratne reports leadership or fiduciary roles in other board, society, committee or advocacy group, paid or unpaid as the president of the Asian Regional Consortium of Headaches, co-chair of both World Brain Day and Public Awareness and Advocacy with the World Federation of Neurology; and other financial or non-financial interests as the chair of the Migraine Foundation; outside the submitted work. Siddhesh Zadey reports payment or honoraria for writing for Think Global Health, Harvard Public Health Magazine, The Wire Science; a leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid as a cofounding Director of the Association for Socially Applicable Research, a permanent council member for the The G4 Alliance, chair of the SOTA Care in South Asia Working Group (G4 Alliance), and a drafting Committee member for Maharashtra State Mental Health Policy; outside the submitted work. Giulia Zamagni reports support for the present manuscript from the Italian Ministry of Health (Ricerca Corrente 34/2017), as payments made to the Institute for Maternal and Child Health IRCCS Burlo Garofolo. Ha Zhang reports grants or contract funding from WHO, outside the submitted work. Magdalena Zielińska reports other financial interest as an AstraZeneca employee, outside the submitted work. All other authors declare no competing interests.

## Data sharing

To download the data used in these analyses, please visit the GBD 2021 Sources Tool. The statistical code used in GBD 2021 is available online.

## Acknowledgments

Research reported in this publication was supported by the Gates Foundation, UK Department of Health and Social Care, the Norwegian Institute of Public Health, and the New Zealand Ministry of Health. The Palestinian Central Bureau of Statistics granted the researchers access to relevant data in accordance with license no. SLN2019-8-64 and SLN2014-3-170, after subjecting data to processing aiming to preserve the confidentiality of individual data in accordance with the General Statistics Law-2000. The researchers are solely responsible for the conclusions and inferences drawn upon available data. Data for this research was provided by MEASURE Evaluation, funded by USAID. Views expressed do not necessarily reflect those of USAID, the US Government, or MEASURE Evaluation.

Editorial note: The Lancet Group takes a neutral position with respect to territorial claims in published maps and institutional affiliations.

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